

	Catálogo Galvo Technology		
Revisión A	Julio 2025	RC_GV_TL_003	Página 1 de 65

RAYMOND COMUNICACIONES CHILE

Catalogo digital GELVO TECHNOLOGY



RAYMOND
COMUNICACIONES CHILE

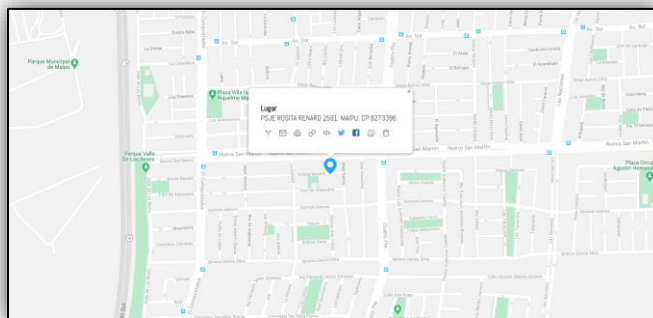


Made in China

DISTRIBUIDOR HOMOLOGADO EN CHILE.

Nuestra Ubicación

Rosita Renart 2591, Maipu, Santiago de Chile.



Contacto Comercial
Raymond Acuña C.
+56 9 8775 9333

r.acuna@raymondcomunicaciones.cl

Ver. 2.1

	Catálogo Galvo Technology		
Revisión A	Julio 2025	RC_GV_TL_003	Página 2 de 65

Contenido

1.	Introducción.....	4
2.	ANTENA SISO 698-2700 LOW PIM INDOOR CEILING (OMNI) ANTENNA	5
3.	ANTENA SISO 698-2700 LOW PIM INDOOR PANEL ANTENNA.....	6
6.	ANTENA OMNI 2x2 698-4000MHz MIMO OMNI ANTENNA	9
7.	ANTENA PANEL 2x2 698-4000MHz MIMO PANEL ANTENNA	10
8.	ANTENA OMNI 4x4 698-4000MHz MIMO CEILING (OMNI) ANTENNA	11
9.	ANTENA PANEL 4x4 698-4000MHz MIMO PANEL ANTENNA	12
10.	ANTENA ALTA GANANCIA LOG-PERIODIC 698-2700MHz PANEL ANTENNA	13
11.	ANTENA OUTDOOR DIRECTIONAL 698-4000DUAL-BAND XX POL ANTENNA (alta ganancia)	14
12.	1710-2690MHz/1710-2690MHz 65°/65° 18/18dBi 0°~8°/0°~8° TRI-SECTOR XX POL ANTENNA	15
13.	SPECIFICATION OF 380-960/1710-2700 DIPLEXER DIN F	16
14.	SPECIFICATION OF 1695-2180/2300-2690 DIPLEXER 4.3-10 F	17
15.	SPECIFICATION OF N TYPE DIRECTIONAL COUPLER 698-2700MHz (AIR DIELECTRIC)	18
16.	SPECIFICATION OF N TYPE DIRECTIONAL COUPLER 698-3800MHz (AIR DIELECTRIC)	19
17.	SPECIFICATION OF 7/16 (DIN) TYPE DIRECTIONAL COUPLER 698-2700MHz (AIR DIELECTRIC)	20
18.	SPECIFICATION OF N TYPE 575-6000MHz N TYPE DIRECTIONAL COUPLER.....	21
19.	SPECIFICATION OF 698-2700MHz 3DB HYBRID COMBINER (N TYPE)	22
20.	SPECIFICATION 698-2700MHZ 3DB HYBRID COUPLER 7/16	23
21.	SPECIFICATION OF 1710-2170/2300-2700MHz DUAL-BAND COMBINER (outdoor)	24
22.	SPECIFICATION OF N TYPE HIGH POWER 698-2700MHZ 300W POWER SPLITTER.....	25
23.	SPECIFICATION OF N TYPE HIGH POWER 575-6000MHZ 300W POWER SPLITTER.....	26
24.	SPECIFICATIONS OF 4.3/10 DIN CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE	27
25.	SPECIFICATIONS OF 4.3/10 DIN CONNECTOR FOR 1/2" FLEXIBLE (RIGHT) CABLE	28
26.	SPECIFICATION OF N MALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE.....	29
27.	SPECIFICATION OF N FEMALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE	30
28.	SPECIFICATION OF N MALE RIGHT ANGLE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE	31
29.	SPECIFICATION OF N MALE CONNECTOR FOR 1/2" FLEXIBLE CABLE	32
30.	SPECIFICATION OF N FEMALE CONNECTOR FOR 1/2" FLEXIBLE CABLE	33
31.	SPECIFICATION OF N MALE RIGHT ANGLE CONNECTOR FOR 1/2" FLEXIBLE CABLE.....	34
32.	SPECIFICATION OF N MALE CONNECTOR FOR 7/8" FLEXIBLE CABLE	35
33.	SPECIFICATION OF N FEMALE CONNECTOR FOR 7/8" FLEXIBLE CABLE	36
34.	SPECIFICATION OF 7/16(DIN) MALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE.....	37
35.	SPECIFICATION OF 7/16(DIN) FEMALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE	38
36.	SPECIFICATION OF 7/16(DIN) MALE(RA) CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE	39
37.	SPECIFICATION OF 7/16(DIN) MALE CONNECTOR FOR 1/2" FLEXIBLE CABLE	40
38.	SPECIFICATION OF 7/16(DIN) FEMALE CONNECTOR FOR 1/2" FLEXIBLE CABLE	41
39.	SPECIFICATION OF 7/16(DIN) MALE(RA) CONNECTOR FOR 1/2" FLEXIBLE CABLE	42
40.	SPECIFICATION OF N TYPE CALIBRATION KIT	43
41.	SPECIFICATIONS OF 7/16(DIN) MALE TO 4.3/10 FEMALE RF ADAPTER (COPLA).....	44
42.	SPECIFICATIONS OF 4.3/10 FEMALE TO N MALE RF ADAPTER (COPLA).....	45
43.	SPECIFICATIONS OF RF ADAPTER CONNECTOR (COPLA).....	46
44.	SPECIFICATIONS OF RF ADAPTER CONNECTOR (COPLA).....	47
45.	TWO HOLE TYPE FIBER/POWER CLAMP (F.O./POWER).....	48
46.	SPECIFICATION OF 1/2" SUPERFLEXIBLE FORM DIELECTRIC CABLE GELVO TECHNOLOGY RF CABLE DEPT ..	49
47.	SPECIFICATION OF 1/2" FLEXIBLE FORM DIELECTRIC CABLE GELVO TECHNOLOGY RF CABLE DEPT. (CABLE RÍGIDO)51	
48.	SPECIFICATION OF 7/8" FORM DIELECTRIC FEEDER CABLE	53
49.	SPECIFICATION OF BTS TOWER FLEX SHIELDED CABLE GELVO TELECOM ELECTRON CABLE DEPT. (CABLE POWER).....	55
50.	SPECIFICATION OF COAXIAL LMR195	56

	Catálogo Galvo Technology		
Revisión A	Julio 2025	RC_GV_TL_003	Página 3 de 65

51.	SPECIFICATION OF COAXIAL LMR400	57
52.	50W LOW PIM TERMINATION LOAD	58
53.	100W LOW PIM TERMINATION LOAD	59
54.	N MALE FOR 1/2" FLEXIBLE (COMPRESSION)	60
55.	DIN MALE FOR 1/2" FLEXIBLE (COMPRESSION)	61
56.	N MALE FOR 1/2" SUPERFLEXIBLE (COMPRESSION)	62
57.	DIN MALE FOR 1/2" SUPERFLEXIBLE (COMPRESSION)	63
58.	4.3-10 MALE FOR 1/2" SUPERFLEXIBLE (COMPRESSION)	64

	Catálogo Galvo Technology		
Revisión A	Julio 2025	RC_GV_TL_003	Página 4 de 65

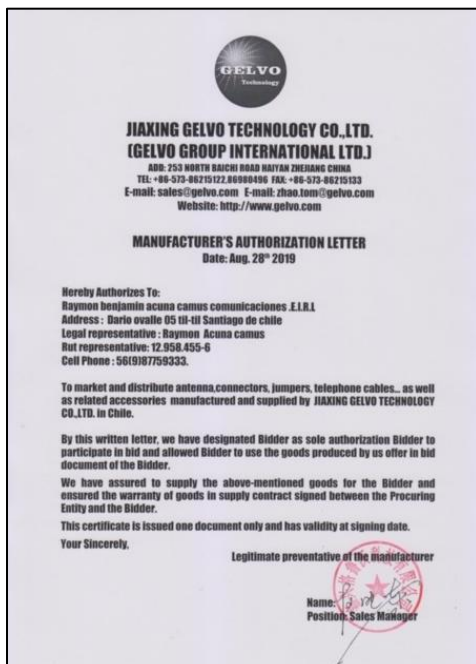
1. Introducción

La telefonía celular ha revolucionado el área de las comunicaciones, redefiniendo cómo percibimos las comunicaciones de voz y datos. A nivel global, la industria de las telecomunicaciones y de tecnologías de información se han caracterizado por su creciente velocidad y grado de innovación.

Los beneficios sociales y la expansión de oportunidades para el consumidor final que derivan de las inversiones en las empresas son de gran magnitud.

El desarrollo de nuevos servicios y la generación de servicios de red han sido posibles gracias a los avances tecnológicos de las diversas tecnologías de y empresas dedicadas a este desarrollo, que compiten entre sí y que se han preparado para proveer servicios que antes se asociaban a tecnologías específicas.

Así, nace Raymond comunicaciones, que se ha desarrollado en el ámbito de la venta de dispositivos de tecnología para la comunicación celular en nuestro país. Para este desafío se ha aliado con una empresa líder en el desarrollo de este tipo de tecnología la multinacional **GELVO Technology**, alianza que ha madurado y crecido desde la obtención de la representación de este gigante en el país.



Catálogo de suministros:

2. ANTENA SISO 698-2700 LOW PIM INDOOR CEILING (OMNI) ANTENNA



SPECIFICATION OF 698-2700 LOW PIM INDOOR CEILING (OMNI) ANTENNA
GELVO TELECOM RF ANTENNA DEPT.

日期: 2014.02
审核: Xu Long

Specification of 698-2700MHz SISO Low PIM Indoor Ceiling (Omni) Antenna:

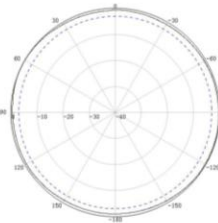
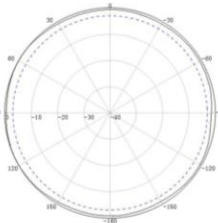
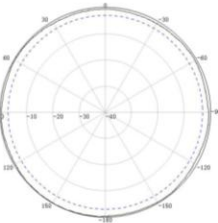
Model	CE-727-5DBN/AJ		Product Picture
Frequency Range	698~960MHz	1710~2700MHz	 698-960 / 1710-2700Mhz ↓ Port 1
Impedance	50Ω		
VSWR	≤ 1.80	≤ 1.50	
Gain	2dB	5dB	
Polarization	Vertical		
Horizontal Beamwidth	360°		
Vertical Beamwidth	60°	35°	
Maximum Power	50W		
Intermodulation	-150dBc@2X43dBm		
Connector Type	N/Female *		
Lightning Protection	DC Ground		
Dimension	Φ203×98mm (Packing: 210X210X110mm)		
Radome material	ABS, White Color		
Work Temperature	-55~+60℃		
Weight	0.40kg (0.45kg Packing Weight)		

* Can be Custom made with SMA Female , 4.3/10 DIN Female or 4.1/9.5 DIN Female

Antenna Radiation Patterns:

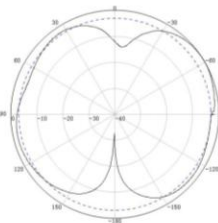
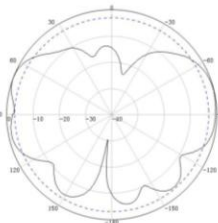
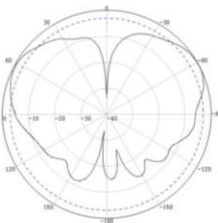
Horizontal
Pattern

→

Vertical
Pattern

→

900MHz
1710MHz
2500MHz

Telecom Equipment & Engineering Accessories

ADD: NORTH BAICHI ROAD, HAIYAN ZHEJIANG CHINA

HAIYAN GELVO TELECOM EQUIPMENT CO., LTD

TEL: +86-573-8696 3088, 8698 0496 FAX: +86-573-8698 0497

Website <http://www.gelvo.com>

E-mail: sales@gelvo.com



3. ANTENA SISO 698-2700 LOW PIM INDOOR PANEL ANTENNA



SPECIFICATION OF 698-2700 LOW PIM INDOOR PANEL ANTENNA GELVO TELECOM RF ANTENNA DEPT.

日期:2014.02

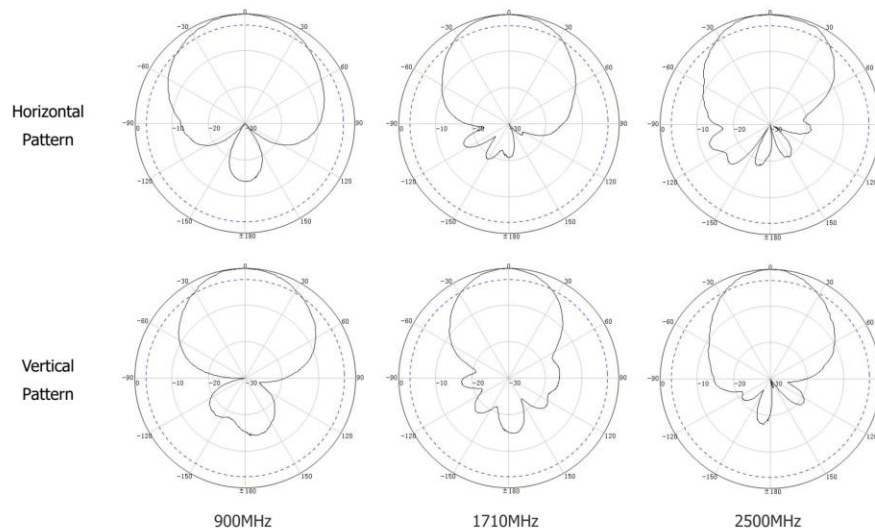
审核: *Al. Ling*

Specification of 698-2700MHz SISO Low PIM Indoor Panel Antenna:

Model	PA-727-8DBN/AJ		Product Picture 
Frequency Range	698~960MHz	1710~2700MHz	
Impedance	50Ω		
VSWR	≤ 1.80		
Gain	6.5dB	8dB	
Polarization	Vertical		
Horizontal Beamwidth	80°	65°	
Vertical Beamwidth	73°	60°	
Front-To-Back Ratio	>12°	>18°	
Maximum Power	50W		
Intermodulation	-150dBc@2X43dBm		
Connector Type	N/Female *		
Dimension	165X155X50mm (Packing:190X165X55mm)		
Mounting Kit	On Wall		
Radome material	ABS, White Color		
Work Temperature	-55~+60℃		
Weight	0.65kg		

* Can be Custom Made with SMA Female , 4.3/10 DIN Female or 4.1/9.5 DIN Female

Radiation Patterns:



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD,HAIYAN ZHEJIANG CHINA

TEL:+86-573-8696 3088 , 8698 0496

FAX:+86-573-8698 0497

E-mail: sales@gelvo.com

4. ANTENA OMNI MIMO 2x2 698-2700 LOW PIM INDOOR ANTENNA



SPECIFICATION OF INDOOR MIMO OMNI ANTENNA (698-2700MHz)
GELVO TELECOM RF ANTENNA DEPT.

日期:2012.02
 审核: Xh.Liang

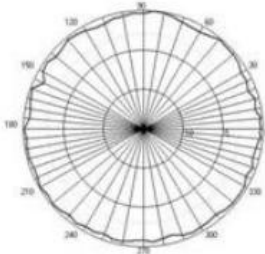
Specification of 698-2700MHz Indoor MIMO Ceiling (Omni) Antenna:

Item Name	Specification				
Model	MOCE-727-3DBNH				
Frequency range (MHz)	698~800	800~960	1710~1880	1710~1880	1880~2700
Polarization type	Vertical		Vertical	Horizontal	V & H
VSWR	≤2	≤1.5	≤1.5	≤1.7	≤1.5
Gain (dBi)	2±1		3.5±1.5		
Isolation(dB)	/		>25 (28)		
Roundness of pattern (dB)	±1.5		±2	±2	
Horizontal Beamwidth (°)	85		50		
Input impedance (Ω)	50Ω				
Intermodulation	-150dBc@2X33dBm				
Max power (W)	50				
Connector type	2 X N female				
Weight (g)	512				
Dimension (mm)	Φ204×119				
Radome material	Uv-Protected ABS				
Antenna's color	White				
Environment Temperature (°C)	Limit Temperature:-55~+70				
	Working Temperature:-40~+60				

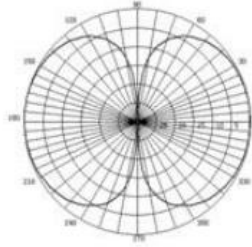
Antenna Pattern



Product Picture



Horizontal Pattern



Vertical Pattern

Telecom Equipment & Engineering Accessories
HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD
Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD,HAIYAN ZHEJIANG CHINA
TEL:+86-573-8696 3088 , 8698 0496
FAX:+86-573-8698 0497
E-mail: sales@gelvo.com

5. ANTENA PANEL MIMO 2x2 698-2700 LOW PIM INDOOR ANTENNA

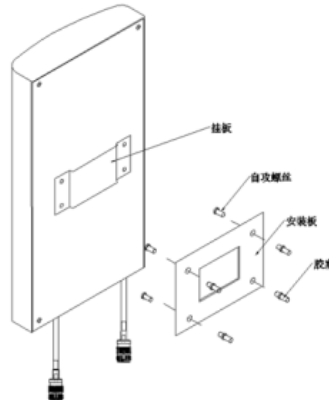


SPECIFICATION OF INDOOR MIMO PANEL ANTENNA (698-2700MHz) GELVO TELECOM RF ANTENNA DEPT.

日期:2012.02
审核: M. Ling

Specification of 698-2700MHz Indoor MIMO Panel Antenna:

Item Name	Specification
Model	MOPA-727-8DBNH
Frequency range (MHz)	698~960 , 1710~2700
Polarization type	Vertical/±45
VSWR	≤1.5
Gain (dBi)	6±1/8±1
Front to Back Ratio(dB)	10/15
Horizontal Beamwidth (°)	90±15/65±15
Vertical Beamwidth (°)	65/60
Input impedance (Ω)	50Ω
Intermodulation	-150dBc@2X33dBm
Max power (W)	50
Connector type	2 X N female
Weight (g)	550
Dimension (mm)	280×175X62
Radome material	UV-Protected ABS
Antenna's color	White
Environment Temperature (°C)	Limit Temperature:-55~+70
	Working Temperature:-40~+60



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website: <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD, HAIYAN ZHEJIANG CHINA

TEL: +86-573-8696 3088 , 8698 0496

FAX: +86-573-8698 0497

E-mail: sales@gelvo.com



6. ANTENA OMNI 2x2 698-4000MHz MIMO OMNI ANTENNA

INDOOR 698-4000MHz MIMO OMNI ANTENNA



Telecommunication Technology & Engineering Accessories

Rev.V1.1

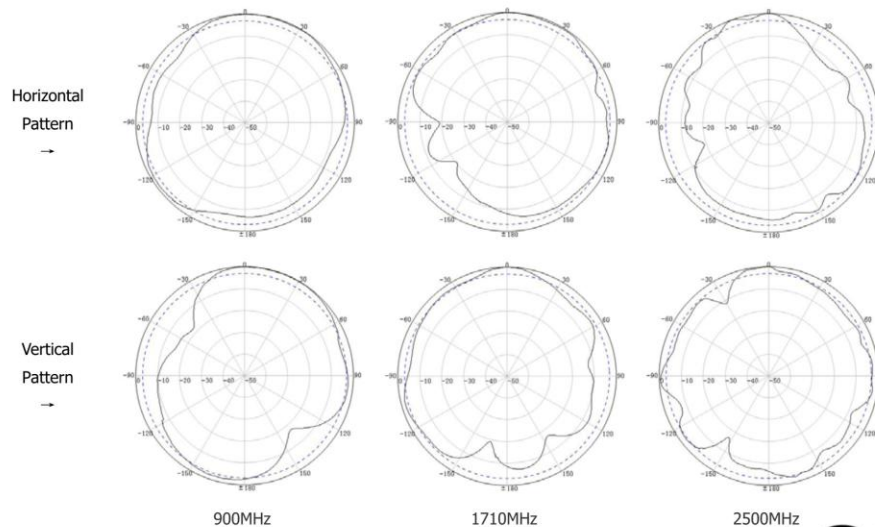
Specification of 698-4000MHz Low PIM Indoor MIMO Ceiling (Omni) Antenna:

Model	MOCE-740-5DBN/AJ				Product Picture 
Frequency Range	698~806	806-960	1710~2700	3400-4000	
Impedance	50Ω				
VSWR	≤ 2.0				
Gain	3.0±0.5	3.5±0.5	4.5±1.0	5.0±1.0	
Polarization	Vertical				
Horizontal Beamwidth	360°				
Vertical Beamwidth	90°	85°	45°	35°	
Maximum Power	50W				
Intermodulation	-150dBc@2X43dBm				
Isolation	>17dB	>17dB	>20dB	>25dB	
Connector Type	2 X N/Female *				
Dimension	Φ218×40mm (Packing: 225X225X155mm)				
Mounting Kit	Ceiling				
Radome material	ABS, White Color				
Work Temperature	-55~+60℃				
Weight	0.50kg (Packing: 0.70kg)				

698-960/1710-4000MHz	698-960/1710-4000MHz
↓	↓
Port 1	Port 2

* Can be Custom made with SMA Female , 4.3/10 Female or 4.1/9.5 Female

Antenna Radiation Patterns:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com



7. ANTENA PANEL 2x2 698-4000MHz MIMO PANEL ANTENNA

INDOOR 698-4000MHz MIMO PANEL ANTENNA



Telecommunication Technology & Engineering Accessories

Rev.V1.1

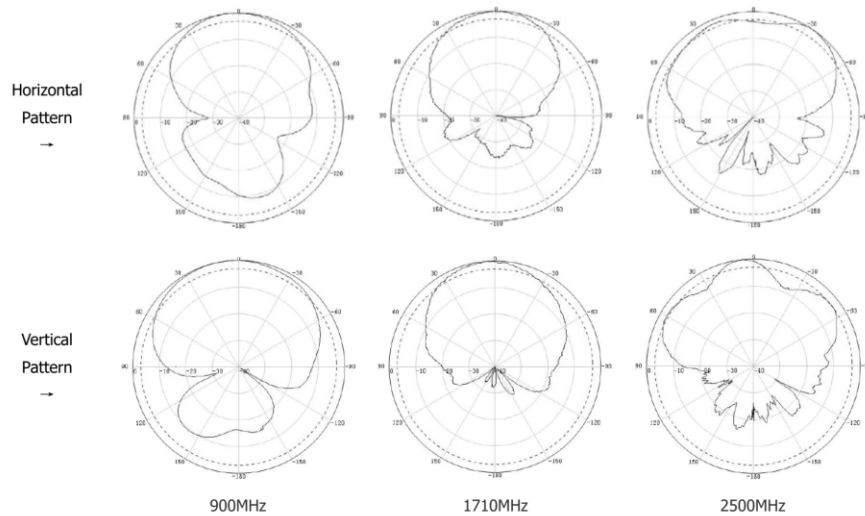
Specification of 698-4000MHz Low PIM Indoor MIMO Panel Antenna:

Model	MOPA-740-8DBN/AJ					Product Picture
Frequency Range	698~806	806~960	1710-2170	2200-2700	3400-4000	
Impedance	50Ω					
VSWR	≤ 2.0					
Gain	5±0.5dB	6±0.5dB	7±0.5dB	7.5±0.5dB	8.5±0.5dB	
Polarization	Vertical and Horizontal					
Horizontal Beamwidth	80°	80°	65°	60°	55°	
Vertical Beamwidth	73°	70°	60°	60°	30°	
Maximum Power	50W					
Intermodulation	-153dBc@2X43dBm					
Connector Type	2 X N/Female *					
Dimension	400×180X62mm					
Mounting Kit	On Wall					
Radome material	PVC, White Color , RAL9003					
Work Temperature	-55~+60℃					
Weight	1.50kg					



* Can be Custom made with SMA Female , 4.3/10 Female or 4.1/9.5 Female

Antenna Radiation Patterns:



All specifications are subject to change without notice.

© 2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

8. ANTENA OMNI 4x4 698-4000MHz MIMO CEILING (OMNI) ANTENNA



INDOOR 698-4000MHz 4X4 MIMO CEILING ANTENNA

Telecommunication Technology & Engineering Accessories Rev.V1.2

Specification of 698-4000MHz Low PIM Indoor 4X4 MIMO Ceiling Antenna:

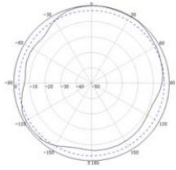
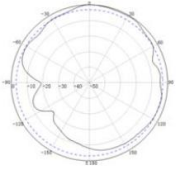
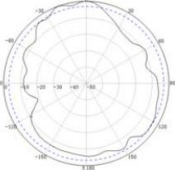
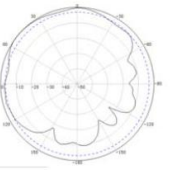
Model	MOCE4X4-740-5DBN/AJ			Product Picture
Frequency Range	698~960	1710-2700	3300-4000	
Impedance	50Ω			
VSWR	≤ 1.8			
Gain	3±0.5	3.5±0.5	4.5±1.0	
Polarization	Linear×4			
Horizontal beamwidth	360°			
Vertical beamwidth	90°	85°	45°	
Maximum Power	50W			
Intermodulation	-153dBc@2X43dBm			
Isolation	>13dB	>15dB	>20dB	
Connector Type	4 X N/Female			
Dimension	Φ360×24mm			
Radome material	ABS, White Color,RAL9003, Ceiling Mounting Kit			
Work Temperature	-55~+60°C			
Weight	0.9kg			

* Can be Custom made with SMA Female , 4.3/10 Female or 4.1/9.5 Female

Antenna Radiation Patterns:

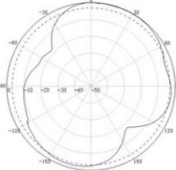
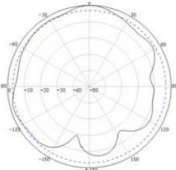
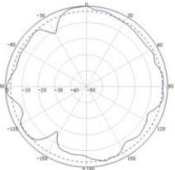
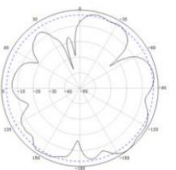
Horizontal
Pattern

→

Vertical
Pattern

→

900MHz
1710MHz
2500MHz
3500MHz



All specifications are subject to change without notice. ©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved. Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA TEL: +86-573-86215122 FAX: +86-573-8621 5133 E-mail: sales@gelvo.com

Este documento contiene información propiedad de Raymond Comunicaciones y no puede ser utilizada o divulgada salvo autorización expresa de RC. Cualquier reproducción, difusión o comunicación pública queda estrictamente prohibida.



9. ANTENA PANEL 4x4 698-4000MHz MIMO PANEL ANTENNA

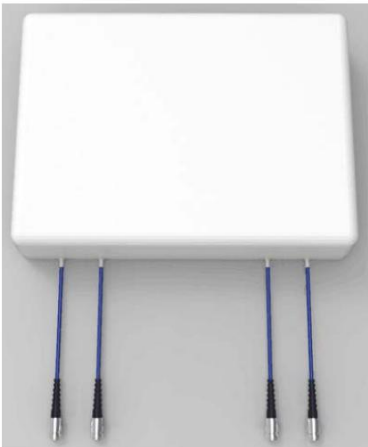
INDOOR 698-4000MHz 4X4 MIMO PANEL ANTENNA



Telecommunication Technology & Engineering Accessories

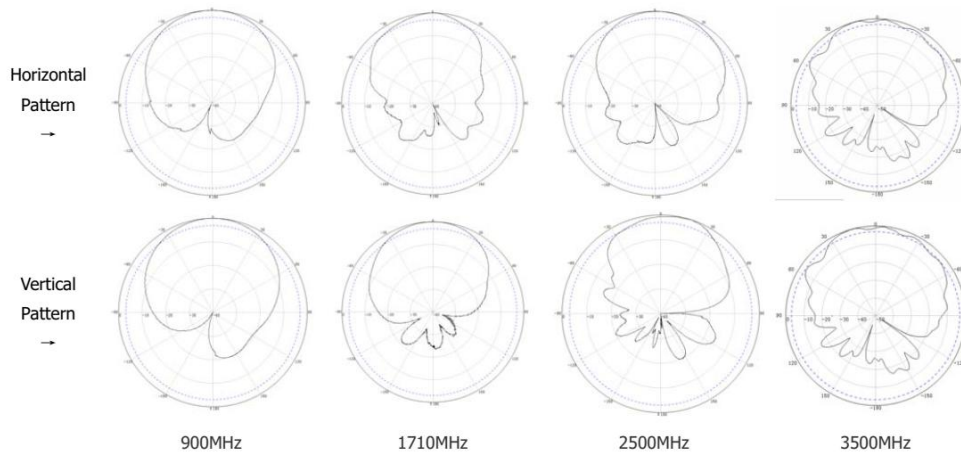
Rev.V1.1

Specification of 698-4000MHz Low PIM Indoor 4X4 MIMO Panel Antenna:

Model	MOPA4X4-740-8DBN/AJ			Product Picture
Frequency Range	698~960	1710-2700	3300-4000	
Impedance	50Ω			
VSWR	≤ 1.8			
Gain	6.0±1.0	7.5±1.0	7.5±1.0	
Polarization	2X±45°	2X±45°	2X±45°	
Horizontal beamwidth	75°	70°	68°	
Vertical beamwidth	70°	70°	60°	
Maximum Power	50W			
Intermodulation	-153dBc@2X43dBm			
Isolation	>15dB	>20dB	>23dB	
Connector Type	4 X N/Female *			
Dimension	308X420X82mm			
Radome material	ABS, White Color,RAL9003, Panel Mounting Kit			
Work Temperature	-55~+60°C			
Weight	2.80kg			

* Can be Custom made with SMA Female , 4.3/10 Female or 4.1/9.5 Female

Antenna Radiation Patterns:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

10. ANTENA ALTA GANANCIA LOG-PERIODIC 698-2700MHz PANEL ANTENNA

698-2700MHz LOG-PERIODIC ANTENNA (11DB)



Communications Technology & Engineering Accessories

Rev.V1.2

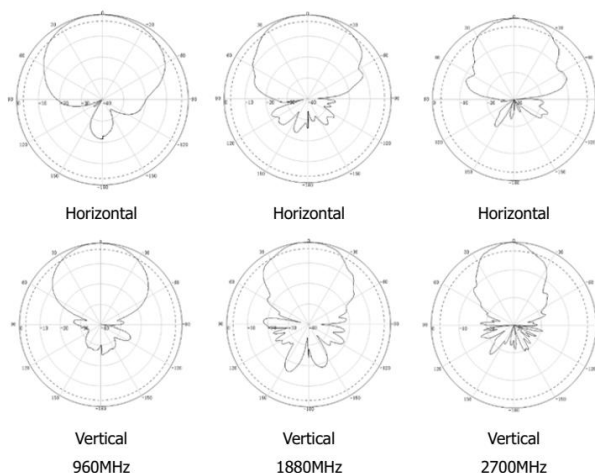
698-2700MHz Log-Periodic Antenna (LOG-727-11DBN/AP):

Model	LOG-727-11DBN/AP	
Frequency	698-960MHz	1710-2700MHz
Polarization	Vertical or Horizontal	
Gain	9.5 dBi±0.5	11.0 dBi±0.5
Horizontal Plane Θ_{HP}	65±15	58±10
Vertical Plane Θ_{VP}	60±15	55±10
Impedance	50	
VSWR	≤ 1.8	≤ 1.5
MAX Input Power	50W	
Lightning protection	DC Ground	
Connector Type	N-Female	
Weight	0.65kg	
Dimension (mm)	440×210×65	
Working Temperature	-40°C~+55°C	

Product Picture & Pattern:



Product Picture



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website: <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-8621 5122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

11. ANTENA OUTDOOR DIRECTIONAL 698-4000DUAL-BAND XX POL ANTENNA (alta ganancia)

698-2700MHz OUTDOOR DIRECTIONAL DUAL-BAND XX POL ANTENNA



Telecommunication Technology & Engineering Accessories

Rev.V1.1

Specification of the Outdoor Directional Dual-band XX Pol Antenna:

Electrical Specification								
Frequency Range (MHz)	698~824	790~894	880~960	1710~1880	1850~1990	1920-2170	2300-2390	2490~2690
Polarization	±45°	±45°	±45°	±45°	±45°	±45°	±45°	±45°
Gain (dBi)	9.4	9.7	9.8	11.7	12.2	12.4	12.7	13.1
Horizontal Beamwidth (°)	74	72	71	66	66	66	64	62
Vertical Beamwidth (°)	44	39	37	24	23	21	20	18
Front-to-Back ratio (dB)	>20 (180°±30°)							
Cross-Polar ratio (dB)	>17 (0°)							
Isolation: Inter-system (dB)	≥25							
VSWR	≤1.5							
Impedance(Ω)	50							
Intermodulation IM3	≤-150 dBc (2×43dBm carrier)							
Maximum Power (W)	150							
Lightning protection	DC Ground							
Mechanical Specification								
Connector	2XDIN/Female							
Connector Position	Bottom							
Height×width×depth (mm)	416×320×145 (Packing Size:520×435×290)							
Antenna weight (kg)	5.20							
Packing weight (kg)	7.50 (Installation kit weight: 0.60kg)							
Wind loading	118/34/146							
Reflector material	Fiberglass							
Radome color	Gray							
Operating temperature (°C)	-50~70							
Operational Humidity (%)	≤95							

Product Picture:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

12. 1710-2690MHz/1710-2690MHz 65°/65° 18/18dBi 0°~8°/0°~8° TRI-SECTOR XX POL ANTENNA

1710-2690MHz/1710-2690MHz 65°/65° 18/18dBi 0°~8°/0°~8° TRI-SECTOR XX POL ANTENNA



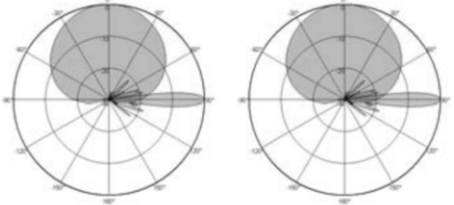
Telecommunication Technology & Engineering Accessories Rev.V1.2

Specification of the 1710-2690MHz/1710-2690MHz 65°/65° 18/18dBi 0°~8°/0°~8° Tri-Sector XX Pol Antenna

Electrical Specification			
Frequency Range (MHz)	1710~1850	1880-2025	2555~2635
Polarization	±45°	±45°	±45°
Gain (dBi)	16.5	17	17.5
Horizontal Beamwidth (°)	68	64	64
Vertical Beamwidth (°)	7	6	5.5
Front-to-Back ratio (dB)	>25		
Cross-Polar ratio (dB)	≥15(±60°≥10)		
Electrical downtilt (°)	0~8		
Isolation: Inter-system (dB)	≥28		
VSWR	≤1.5		
Impedance(Ω)	50		
Intermodulation IM3	≤-150 dBc (2×43dBm carrier)		
Maximum Power (W)	50 (MAX Input of Every Port)		

Mechanical Specification	
Connector	3X4XDIN/Female
Lightning protection	DC Ground
Connector Position	Bottom
Height×width×depth (mm)	φ480×1720 (Packing Size:1830×570×570)
Antenna weight (kg)	70
Packing weight (kg)	77
Wind loading	216
Reflector material	Fiberglass
Radome color	White
Operating temperature (°C)	-50~65
Mechanical Tilt (°)	±15





1710~2690MHz
1710~2690MHz

All specifications are subject to change without notice. ©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved. Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA TEL:+86-573-862 15122 FAX:+86-573-8621 5133 E-mail: sales@gelvo.com



13. SPECIFICATION OF 380-960/1710-2700 DIPLEXER DIN F



SPECIFICATION OF 380-960/1710-2700 DIPLEXER GELVO TELECOM RF MICROWAVE DEPT.

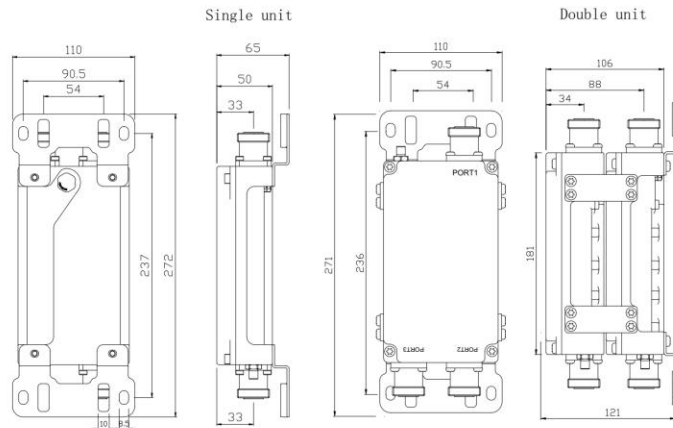
日期:2017.03

审核: *Lg.Tang*

Model: DPX-3896/1727-LTE-DF/HN

Item	Port 1	Port 2	Schematic Diagram
Frequency Range	380~960MHz	1710~2700MHz	
Insertion Loss	≤0.2 dB		
Return Loss/VSWR	≤-19dB/1.25		
Isolation between Bands	≥50 dB		
Impedance	50Ω		
Intermodulation	-155dBc@2X43dBm		
Power	≤300W		
Connector Type	7/16(DIN)-Female		
DC/AISG	By-pass(max.3000 mA)		
Application	IP67 (Indoor or Outdoor)		
Operational Humidity	5%~95%		
Operating Temperature	-20°C~+65 °C		
Weight	1.3 Kg Unit		
Lightning Protection	3KA; 10/350us Pulse		
Dimensions	178X100X50mm		

Product Drawing:



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD, HAIYAN ZHEJIANG CHINA

TEL: +86-573-8696 3088, 8698 0496

FAX: +86-573-8698 0497

E-mail: sales@gelvo.com



14. SPECIFICATION OF 1695-2180/2300-2690 DIPLEXER 4.3-10 F



SPECIFICATION OF 1695-2180/2300-2690 DIPLEXER GELVO TELECOM RF MICROWAVE DEPT.

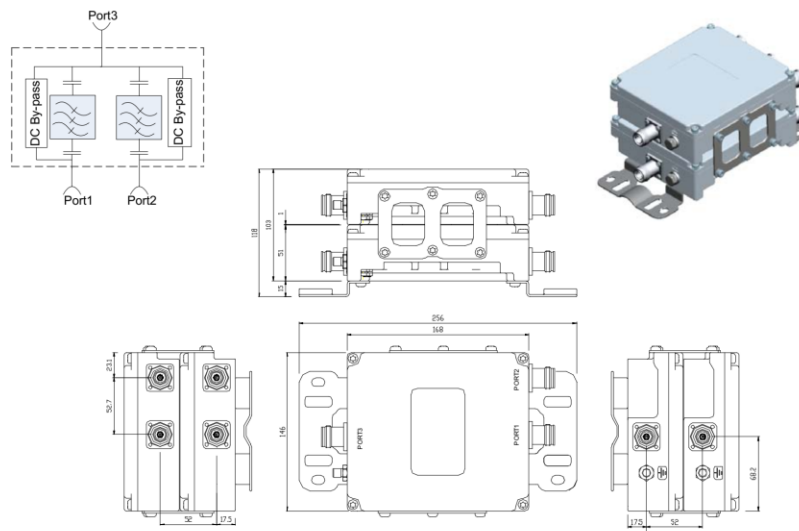
日期:2017.05

审核: Lg. Tang

Model: DPX-1721/2327-LTE-43MDF/HN

Item	Port 1	Port 2
Frequency Range (MHz)	1695~2180	2300~2690
Insertion Loss (dB)	≤0.2	
Return Loss/VSWR (dB)	≤-20dB/1.22	
Isolation between Bands (dB)	≥60	
Impedance (Ω)	50	
Intermod Distortion	-160dBc@2X43dBm	
Power (W)	300W	
Connector Type	4.3/10 MINI DIN/Female	
DC/AISG	By-pass(max.3000 mA)	
Application	IP67 (Indoor or outdoor)	
Operational Humidity	5%~95%	
Operating Temperature (°C)	-20°C~+65 °C	
Weight	4.4kgs	
Lightning Protection	10KA;10/350us pulse	
Figure Size	Down Drawing	

Product Drawing:



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD,HAIYAN ZHEJIANG CHINA TEL:+86-573-8696 3088 , 8698 0496 FAX:+86-573-8698 0497 E-mail: sales@gelvo.com



15. SPECIFICATION OF N TYPE DIRECTIONAL COUPLER 698-2700MHz (AIR DIELECTRIC)



SPECIFICATION OF N TYPE DIRECTIONAL COUPLER (AIR DIELECTRIC) GELVO TELECOM RF MICROWAVE DEPT.

日期: 2014.01

审核: Lp.Teng

N 型腔体宽频段定向耦合器规格书(698-2700MHz):

N Type Air Dielectric Directional Coupler (698-2700MHz):

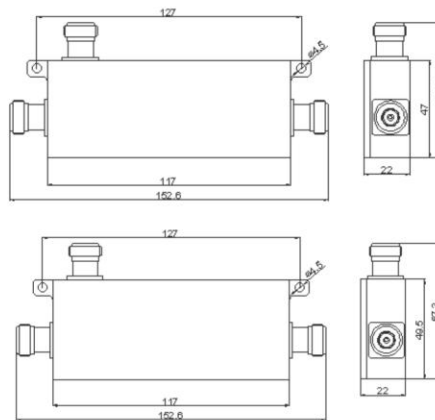
Item	Specification									
Model	DC-727-200-XCNI									
Frequency Range	698-2700 MHz									
Coupling (dB)	5±1.0	6±1.0	7±1.0	8±1.0	10±1.0	13±1.0	15±1.0	20±1.0	30±1.2	40±1.5
Mainline loss (dB)	2.30	1.76	1.50	1.20	0.80	0.50	0.4	0.22	0.20	0.20
Isolation(dB)	25	26	27	28	30	33	35	40	50	55
VSWR	1.25 (MAX)									
Intermodulation	-155 dBc@2x43dBm *									
Power Rating	200 W (300W MAX)									
Max reflected power	35W	40W	50W	70W	100W	200W				
Impedance	50(Ω)									
Connector	N/Female									
Temperature Range	-35 - +85(°C)									
Housing Finish Color	Gold/Gray/Black/White									
Weight	5-30dB =375g , 40dB = 416g									
Applications	Indoor/Outdoor Use , IP65 , RoHS Compliant									

* Can be Custom Made with -160dBc @ 2X43dBm

Product Picture & Drawing



Note: The picture only for reference
please make the object as the standard.



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD,HAIYAN ZHEJIANG CHINA

TEL:+86-573-8696 3088 , 8698 0496

FAX:+86-573-8698 0497

E-mail: sales@gelvo.com



16. SPECIFICATION OF N TYPE DIRECTIONAL COUPLER 698-3800MHz (AIR DIELECTRIC)

575-3800MHz N TYPE DIRECTIONAL COUPLER



Telecommunication Technology & Engineering Accessories

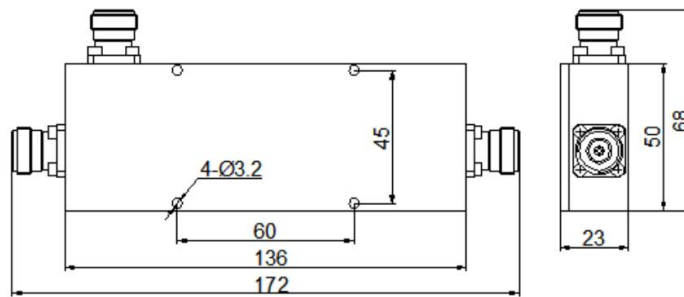
Rev.V1.2

575-3800MHz N Type Air Dielectric Directional Coupler:

Item	Specification									
Model	DC-538-300-XCNI									
Frequency Range	575-3800MHz									
Coupling(dB)	3±0.8	5±1.0	6±1.0	8±1.0	10±1.0	13±1.0	15±1.0	20±1.0	30±1.0	40±1.5
Insertion loss	3.6 dB	2.3 dB	1.8 dB	1.1 dB	0.8 dB	0.5 dB	0.5 dB	0.4 dB	0.3 dB	0.3 dB
VSWR	1.25:1									
Directivity	20dB@575-3600MHz / 18dB@3600-3800MHz									
Intermodulation	-155dBc@2x43dBm *									
Average Power	300 W									
Impedance	50(Ω)									
Connector	N/Female									
Temperature Range	-35 - +85(°C)									
Housing Finish Color	Black / Gray / Gold / Frosted Matte Black									
Applications	Indoor/Outdoor Use , IP65 , RoHS Compliant									

* Can be Custom Made with -160dBc @ 2X43dBm

Product Drawing:



Note: The rawing only for reference,please make the object as the standard.

All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com





17. SPECIFICATION OF 7/16 (DIN) TYPE DIRECTIONAL COUPLER 698-2700MHz (AIR DIELECTRIC)



SPECIFICATION OF 7/16(DIN) TYPE DIRECTIONAL COUPLER (AIR DIELECTRIC) GELVO TELECOM RF MICROWAVE DEPT.

日期: 2014.01

审核: *Lq.Tang*

7/16(DIN)型腔体宽频定向耦合器规格书(698-2700MHz):

7/16(DIN)Type Air Dielectric Directional Coupler (698-2700MHz):

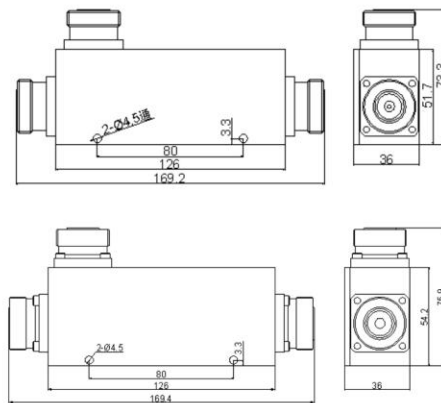
Item	Specification									
Model	DC-727-200-XCDI									
Frequency Range	698-2700 MHz									
Coupling (dB)	5±1.0	6±1.0	7±1.0	8±1.0	10±1.0	13±1.0	15±1.0	20±1.0	30±1.2	40±1.5
Mainline loss (dB)	2.30	1.76	1.50	1.20	0.80	0.50	0.4	0.22	0.20	0.20
Isolation(dB)	25	26	27	28	30	33	35	40	50	55
VSWR	1.25 (MAX)									
Intermodulation	-155 dBc@2x43dBm *									
Power Rating	200 W (300W MAX)									
Max reflected power	35W	40W	50W	70W	100W	200W				
Impedance	50(Ω)									
Connector	7/16(DIN)/Male or Female (The coupler port can customizing with N connector)									
Temperature Range	-35 - +85(°C)									
Housing Finish Color	Gold/Gray/Black/White									
Weight	5-30dB =885g , 40dB = 998g									
Applications	Indoor/Outdoor Use , IP65 , RoHS Compliant									

* Can be Custom Made with -160dBc @ 2X43dBm

Product Picture & Drawing



Note: The picture only for reference
please make the object as the standard.



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD,HAIYAN ZHEJIANG CHINA

TEL:+86-573-8696 3088 , 8698 0496

FAX:+86-573-8698 0497

E-mail: sales@gelvo.com



18. SPECIFICATION OF N TYPE 575-6000MHz N TYPE DIRECTIONAL COUPLER

575-6000MHz N TYPE DIRECTIONAL COUPLER



Telecommunication Technology & Engineering Accessories

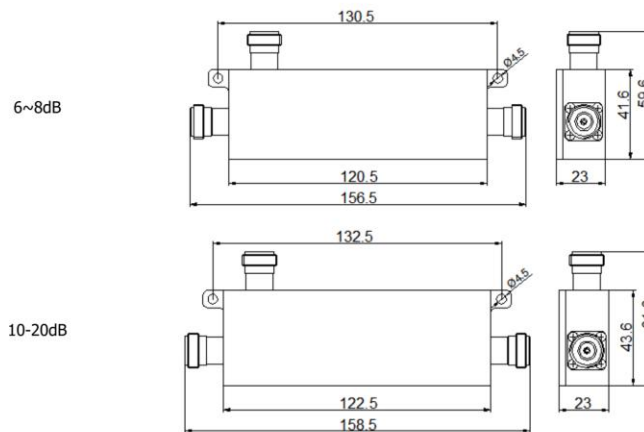
Rev.V1.2

N Type Air Dielectric Directional Coupler (575-6000MHz):

Item	Specification					
Model	DC-560-200-XCNI					
Frequency Range	575-6000 MHz (575-4000 MHz)					
Coupling (dB)	6±1.1	8±1.2	10±1.2	13±1.3	15±1.35	20±1.4
Directivity (dB)	575-2700	20	20	20	20	20
	2700-3800	18	20	20	18	18
	3800-4900	16	18	18	16	16
	4900-6000	12	18	18	13	10
Insertion loss	1.9	1.2	0.9	0.6	0.5	0.3
VSWR	1.25:1 (575-3800MHz) , 1.30:1 (3800-6000MHz)					
Intermodulation	-160 dBc@2x43dBm *					
Power Rating	200W					
Impedance	50(Ω)					
Connector	N/Female					
Temperature Range	-35 - +85(°C)					
Housing Finish Color	Black/Gray/ /White					
Applications	Indoor/Outdoor Use , IP65 , RoHS Compliant					

* The PIM value is reflect @ 900MHz and 1800MHz

Product Drawing:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com



19. SPECIFICATION OF 698-2700MHz 3DB HYBRID COMBINER (N TYPE)



SPECIFICATION OF 698-2700MHz 3DB HYBRID COMBINER (N TYPE) GELVO TELECOM RF MICROWAVE DEPT.

日期:2014.06

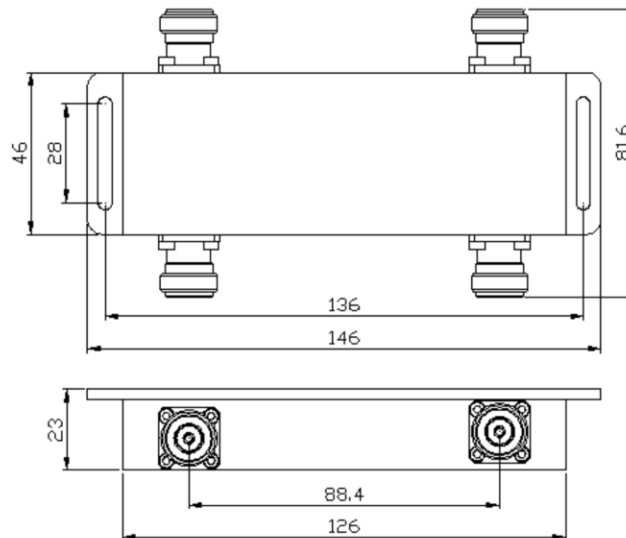
审核: Lg. Tang

N 型宽频段腔体 3 dB 电桥 (698-2700MHz):

N Type Air Dielectric Type 3dB Hybrid Combiner (698-2700MHz):

Item	HB-727-200-3CNB
Frequency Range (MHz)	698-2700 MHz
Coupling (dB)	3.1 ±0.5 dB
VSWR	≤1.25
Insertion Loss (dB)	<0.2
Input Isolation (dB)	≥25
Intermodulation	<-155dBc@2X43dBm
Power (W)	200
Impedance (Ω)	50
Temperature Range (℃)	-30~+85
Relative Humidity	0% to 100%
Connector	N/Female (IP65 RoHS Compliance)
Environmental	Indoor/Outdoor use, IP65 RoHS Compliance

Product Drawing



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD,HAIYAN ZHEJIANG CHINA

TEL:+86-573-8696 3088 , 8698 0496

FAX:+86-573-8698 0497

E-mail: sales@gelvo.com

20. SPECIFICATION 698-2700MHZ 3DB HYBRID COUPLER 7/16

698-2700MHZ 3DB HYBRID COUPLER



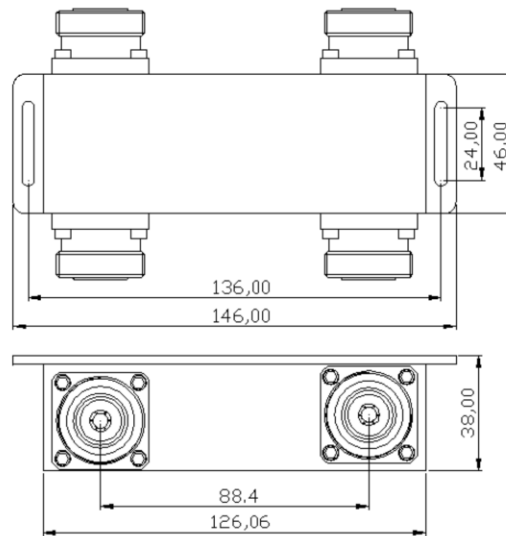
Telecommunication Technology & Engineering Accessories

Rev.V1.1

7/16(DIN) Type Air Dielectric Type 3dB Hybrid Coupler (698-2700MHz):

Item	HB-727-200-3CDB
Frequency Range (MHz)	698-2700 MHz
Coupling (dB)	3.1 ±0.5 dB
VSWR	≤1.25
Insertion Loss (dB)	<0.2
Input Isolation (dB)	≥25
Intermodulation	<-155dBc@2X43dBm
Power (W)	200
Impedance (Ω)	50
Temperature Range (°C)	-30~+85
Relative Humidity	0% to 100%
Connector	7/16(DIN)/Female
Environmental	Indoor/Outdoor use, IP65 RoHS Compliance

Product Drawing:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com



21. SPECIFICATION OF 1710-2170/2300-2700MHz DUAL-BAND COMBINER (outdoor)

SPECIFICATION OF 1710-2170/2300-2700MHz DUAL-BAND COMBINER

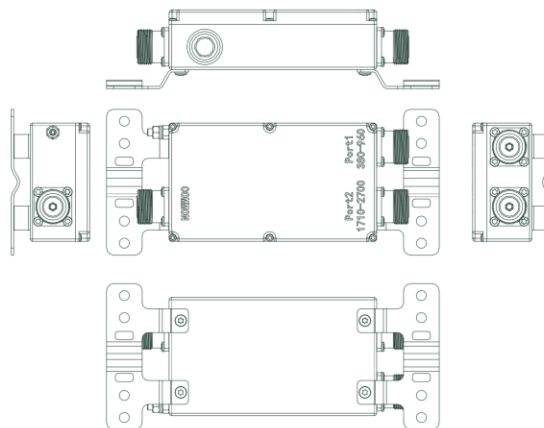
*Telecommunication Technology & Engineering Accessories*

Rev.V1.2

Model: CBD-1721/2327-LTE-DF

Item	Port 1	Port 2
Frequency Range (MHz)	1710~2170	2300~2700
Insertion Loss (dB)	≤0.3	≤0.3
Return Loss (dB)	≥20	≥20
Isolation between Bands (dB)	≥60	≥60
Impedance (Ω)	50	
Intermod Distortion	-150dBc@43dBm	
Power (W)	200W	
Colors	Grey	
Operating Temperature (°C)	-40°C~+65 °C	
Connector Type	7/16(DIN)-Female	
Environment Class	IP67	
Operational Humidity	<95	
Lightning Protection	Comply with IEC 61000-4-5; 10kA, 8/20 s	
Figure Size	Down Drawing	

Product Drawing

*All specifications are subject to change without notice.*

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com



22. SPECIFICATION OF N TYPE HIGH POWER 698-2700MHZ 300W POWER SPLITTER



SPECIFICATION OF N TYPE HIGH POWER 698-2700MHZ 300W POWER SPLITTER GELVO TELECOM RF MICROWAVE DEPT.

日期:2009.08

审核: *Lp.Tang*

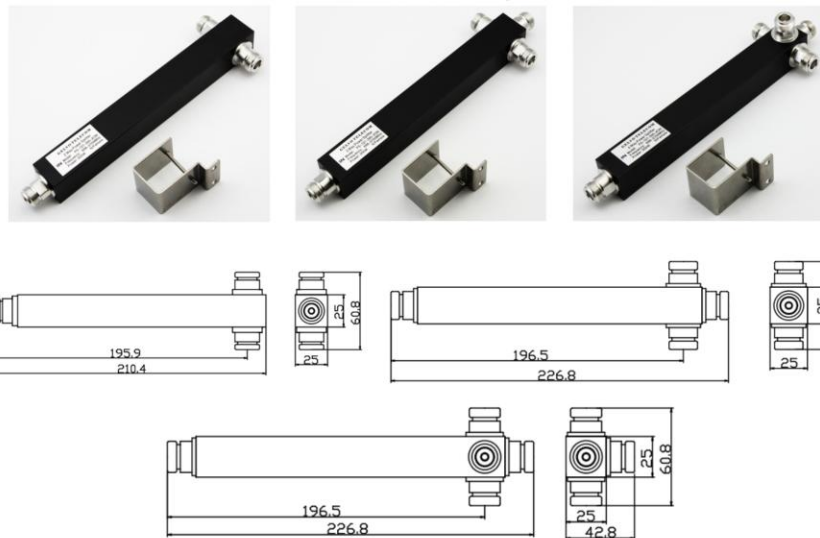
N 型腔体大功率(300W)功分器规格书(698-2700MHz):

Specifications of N Type High Power(300W) Air-line Dielectric Type Power Splitter(698-2700MHz):

Item	Specification		
Model	PS-727-300-2CNI	PS-727-300-3CNI	PS-727-300-4CNI
Frequency Range (MHz)	698-2700		
Split (dB)	2	3	4
Split Loss (dB)	3	4.8	6
VSWR	1.25	1.25	1.30
Insertion loss (dB)	0.10	0.20	0.30
Intermodulation (dBc)	-155dBc@2x43dBm *		
Power Rating (W)	300		
Impedance (Ω)	50		
Connector	N Male or N Female		
Temperature Range ($^{\circ}\text{C}$)	-35 ~ 85		
Applications	Indoor/Outdoor, IP65, RoHS Compliant		

* Can be Custom Made with -160dBc @ 2X43dBm

Product Picture & Drawing



Notice: The picture is only for reference, please make the object as the standard.



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD, HAIYAN ZHEJIANG CHINA

TEL: +86-573-8696 3088, 8698 0496

FAX: +86-573-8698 0497

E-mail: sales@gelvo.com

23. SPECIFICATION OF N TYPE HIGH POWER 575-6000MHZ 300W POWER SPLITTER

575-6000MHZ N TYPE POWER SPLITTER

Telecommunication Technology & Engineering Accessories



Rev.V1.1

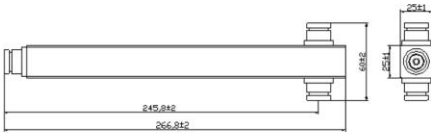
Specifications of N Type High Power(300W) Air-line Dielectric Power Splitter(575-6000MHz):

Item	Specification		
Model	PS-560-300-2CNI	PS-560-300-3CNI	PS-727-560-4CNI
Frequency Range (MHz)	575-6000 (575-4000)		
Split (dB)	2	3	4
Split Loss (dB)	3	4.8	6
Return Loss	19	17	17
Insertion loss (dB)	0.2 (575-2700) 0.4 (2700-6000)	0.2 (575-2700) 0.4 (2700-4900) 0.9 (4900-6000)	0.3 (575-2700) 0.4 (2700-3800) 0.6 (3800-4900) 1.3 (4900-6000)
Intermodulation (dBc)	-160dBc@2x43dBm *		
Power Rating (W)	300		
Impedance (Ω)	50		
Connector	N Female		
Temperature Range (°C)	-35 ~ 85		
Applications	Indoor/Outdoor , IP65 , RoHS Compliant		

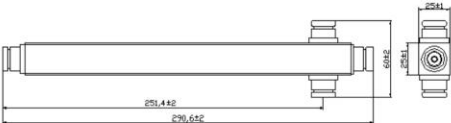
* The PIM value is reflect @ 900MHz and 1800MHz

Product Drawing:

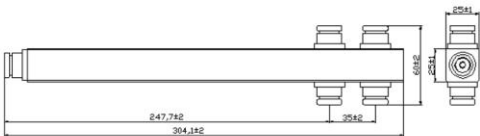
2 Way



3 Way



4 Way



Notice: The picture is only for reference, please make the object as the standard.

All specifications are subject to change without notice.

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

TEL: +86-573-86215122 FAX: +86-573-8621 5133

Website <http://www.gelvo.com>

E-mail: sales@gelvo.com

24. SPECIFICATIONS OF 4.3/10 DIN CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



SPECIFICATIONS OF 4.3/10 DIN CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE GELVO TELECOM RF MICROWAVE DEPT.

日期: 2016.11
审核: *Yang, Jia*

Specification of 4.3/10 Male RF Connector For 1/2" SuperFlexible Cable

4.3/10 Male for 1/2" SuperFlexible Cable RF Connector is in accordance with IEC61169-54

1>.Electrical Characteristics:

Item	Specification
Model	43D/M-1/2"SF-CPHW
Impedance	50Ω
Frequency Range	0~6 GHz
PIM	≤-165dBC@2X43dBm
Dielectric Resistance	≥5000mΩ
Contact resistance	Inner conductor
	Outer conductor
	≤1.00 mΩ
	≤1.00 mΩ
Dielectric Withstanding Voltage	≥2500V RMS,50Hz
VSWR	≤1.10 (0~3000MHz) , ≤1.20 (3~6000MHz)
Mating Cycles	100 Cycles

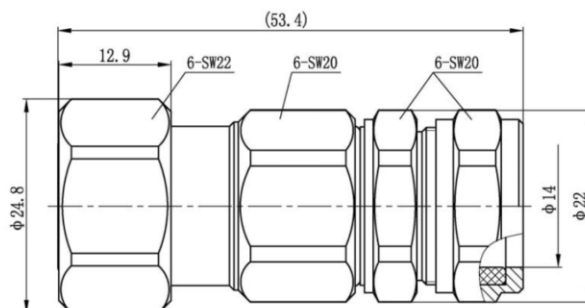
Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

Relative moisture : 90%~95% (Temperature: 40±2°C)

Water-proof : IP 67



3>.Material and plating:

Name of part	Material	Plating
Outer Contact	Brass	Tri-Alloy
Center Contact	Phosphor bronze	Silver Plated
Connecting Nut	Brass	Tri-Alloy
Gasket	Rubber	/
Insulator	PTEF	/
Rosh-compliance	Full ROHS compliance	/

25. SPECIFICATIONS OF 4.3/10 DIN CONNECTOR FOR 1/2" FLEXIBLE (RIGHT) CABLE



SPECIFICATIONS OF 4.3/10 DIN CONNECTOR FOR 1/2" FLEXIBLE CABLE GELVO TELECOM RF MICROWAVE DEPT.

日期: 2016.11
审核: *Yang, Jia*

Specification of 4.3/10 Male RF Connector For 1/2" Flexible Cable
4.3/10 Male for 1/2" Flexible Cable RF Connector is in accordance with IEC61169-54

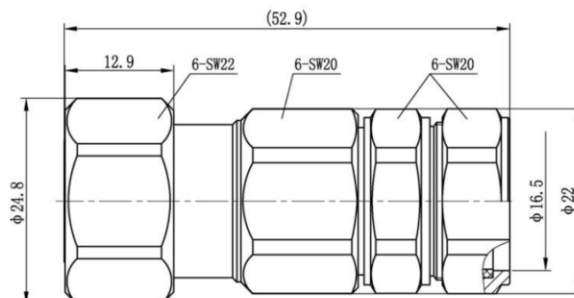
1>.Electrical Characteristics:

Item	Specification
Model	43D/M-1/2"-CPHW
Impedance	50Ω
Frequency Range	0~6 GHz
PIM	≤-165dBC@2X43dBm
Dielectric Resistance	≥5000mΩ
Contact resistance	Inner conductor
	Outer conductor
	≤1.00 mΩ
	≤1.00 mΩ
Dielectric Withstanding Voltage	≥2500V RMS,50Hz
VSWR	≤1.10 (0~3000MHz) , ≤1.20 (3~6000MHz)
Mating Cycles	100 Cycles

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C
Relative moisture : 90%~95% (Temperature: 40±2°C)
Water-proof : IP 67



3>.Material and plating:

Name of part	Material	Plating
Outer Contact	Brass	Tri-Alloy
Center Contact	Phosphor bronze	Silver Plated
Connecting Nut	Brass	Tri-Alloy
Gasket	Rubber	/
Insulator	PTEF	/
Rosh-compliance	Full ROHS compliance	/

26. SPECIFICATION OF N MALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE

SPECIFICATION OF N MALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male For 1/2"SF Cable RF Connector is in accordance with IEC60169-16: 1982

Male interface screw thread: 5/8-24UNEF-2B

1>.Electrical Characteristics:

Model	N/M-1/2"SF-CP	
Impedance(Ω)	50Ω	
Frequency range	0~3 GHz	
Insertion loss (900MHz)	≤0.10dB	
Intermodulation (PIM 3)	≤-160dBc@2x20W (≤-165dBc@2x20W Typical)	
Insulation resistance	≥5000mΩ	
Contact resistance	Inner conductor	≤1.00 mΩ
	Outer conductor	≤0.25 mΩ
Withstanding voltage AC(V/min)	2500V	
VSWR	≤1.10 (0~2700MHz)	
Durability	500 Times	

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

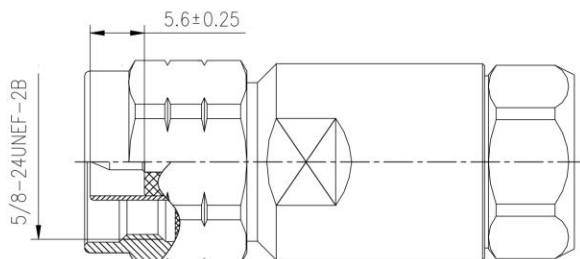
Relative moisture : 90%~95% (Temperature: 40±2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	≥3μ
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

27. SPECIFICATION OF N FEMALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE

SPECIFICATION OF N FEMALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Female For 1/2"SF Cable RF Connector is in accordance with IEC60169-16: 1982

Female interface screw thread: 5/8-24UNEF-2A

1>.Electrical Characteristics:

Model		N/F-1/2"SF-CP
Impedance(Ω)		50Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤0.10dB
Intermodulation (PIM 3)		≤-160dBc@2x20W (≤-165dBc@2x20W Typical)
Insulation resistance		≥5000mΩ
Contact resistance	Inner conductor	≤1.00mΩ
	Outer conductor	≤0.25 mΩ
Withstanding voltage AC(V/min)		2500V
VSWR		≤1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

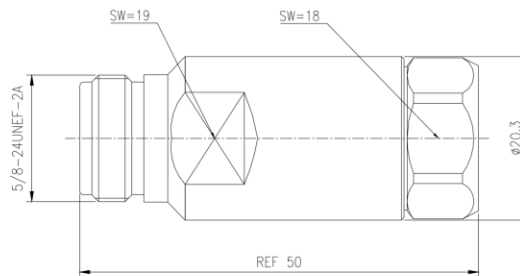
Relative moisture : 90%~95% (Temperature: 40±2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	≥3μ
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6μ
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com



28. SPECIFICATION OF N MALE RIGHT ANGLE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE

SPECIFICATION OF N MALE RIGHT ANGLE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male Right Angle For 1/2"SF Cable RF Connector is in accordance with IEC60169-16: 1982

Female interface screw thread: 5/8-24UNEF-2A

1>.Electrical Characteristics:

Model		N/M-1/2"SF-CP(R)
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.10 dB
Intermodulation (PIM 3)		≤ -150 dBc@2x20W (≤ -155 dBc@2x20W Typical)
Insulation resistance		≥ 5000 m Ω
Contact resistance	Inner conductor	≤ 1.00 m Ω
	Outer conductor	≤ 0.25 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

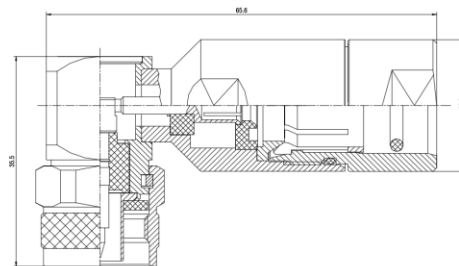
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com



29. SPECIFICATION OF N MALE CONNECTOR FOR 1/2" FLEXIBLE CABLE

SPECIFICATION OF N MALE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male For 1/2 Feeder Cable RF Connector is in accordance with IEC60169-16: 1982

Male interface screw thread: 5/8-24UNEF-2B

1>.Electrical Characteristics:

Model		N/M-1/2"-CP
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.1 dB
Intermodulation (PIM 3)		≤ -160 dBc@2x20W (≤ -165 dBc@2x20W Typical)
Insulation resistance		≥ 5000 m Ω
Contact resistance	Inner conductor	≤ 1.00 m Ω
	Outer conductor	≤ 0.25 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

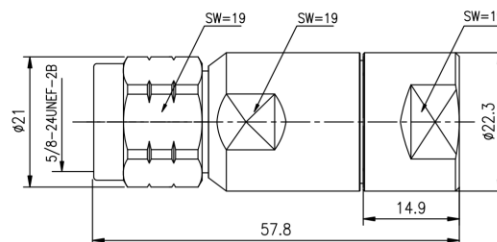
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com

30. SPECIFICATION OF N FEMALE CONNECTOR FOR 1/2" FLEXIBLE CABLE

SPECIFICATION OF N FEMALE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Female For 1/2 Feeder Cable RF Connector is in accordance with IEC60169-16: 1982

Female interface screw thread: 5/8-24UNEF-2A

1>.Electrical Characteristics:

Model		N/F-1/2"-CP
Impedance(Ω)		50Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤0.1dB
Intermodulation (PIM 3)		≤-160dBc@2x20W (≤-165dBc@2x20W Typical)
Insulation resistance		≥5000mΩ
Contact resistance	Inner conductor	≤1.00 mΩ
	Outer conductor	≤0.25 mΩ
Withstanding voltage AC(V/min)		2500V
VSWR		≤1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

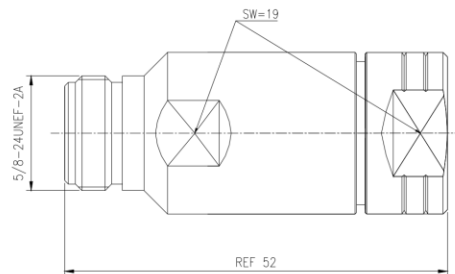
Relative moisture : 90%~95% (Temperature: 40±2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	≥3μ
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6μ
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com



31. SPECIFICATION OF N MALE RIGHT ANGLE CONNECTOR FOR 1/2" FLEXIBLE CABLE

SPECIFICATION OF N MALE RIGHT ANGLE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male Right Angle For 1/2 Feeder Cable RF Connector is in accordance with IEC60169-16: 1982

Male interface screw thread: 5/8-24UNEF-2B

1>.Electrical Characteristics:

Model		N/M-1/2"-CP(R)
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.1 dB
Intermodulation (PIM 3)		≤ -150 dBc@2x20W (≤ -155 dBc@2x20W Typical)
Insulation resistance		≥ 5000 m Ω
Contact resistance	Inner conductor	≤ 1.00 m Ω
	Outer conductor	≤ 0.25 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

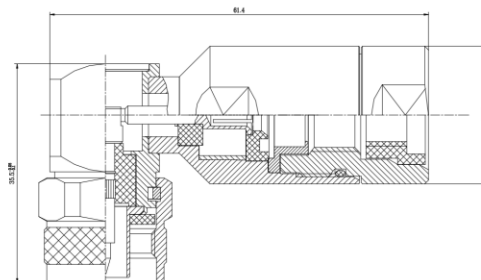
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

32. SPECIFICATION OF N MALE CONNECTOR FOR 7/8" FLEXIBLE CABLE

SPECIFICATION OF N MALE CONNECTOR FOR 7/8" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.1

N Male For 7/8" Feeder Cable RF Connector is in accordance with IEC60169-16: 1982

Male interface screw thread: 5/8-24UNEF-2B

1>.Electrical Characteristics:

Model		N/M-7/8"-CP
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.12 dB
Intermodulation (PIM 3)		≤ -160 dBc@2x20W (≤ -165 dBc@2x20W Typical)
Insulation resistance		≥ 5000 m Ω
Contact resistance	Inner conductor	≤ 1.00 m Ω
	Outer conductor	≤ 0.25 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

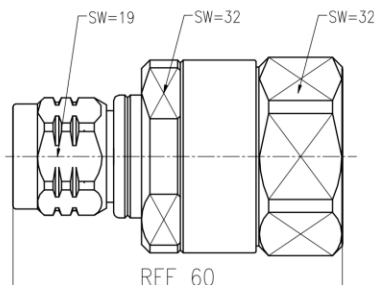
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Qbe2	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com

33. SPECIFICATION OF N FEMALE CONNECTOR FOR 7/8" FLEXIBLE CABLE

SPECIFICATION OF N FEMALE CONNECTOR FOR 7/8" FLEXIBLE CABLE

Telecommunication Technology & Engineering Accessories



Rev.V1.1

N Female For 7/8" Feeder Cable RF Connector is in accordance with IEC60169-16: 1982
Female interface screw thread: 5/8-24UNEF-2A

1>.Electrical Characteristics:

Model	N/F-7/8"-CP		
Impedance(Ω)	50 Ω		
Frequency range	0~3 GHz		
Insertion loss (900MHz)	$\leq 0.12\text{dB}$		
Intermodulation (PIM 3)	$\leq -160\text{dBc}@2\times 20\text{W}$ ($\leq -165\text{dBc}@2\times 20\text{W}$ Typical)		
Insulation resistance	$\geq 5000\text{m}\Omega$		
Contact resistance	Inner conductor	$\leq 1.00\text{ m}\Omega$	
	Outer conductor	$\leq 0.25\text{ m}\Omega$	
Withstanding voltage AC(V/min)	2500V		
VSWR	≤ 1.10 (0~2700MHz)		
Durability	500 Times		

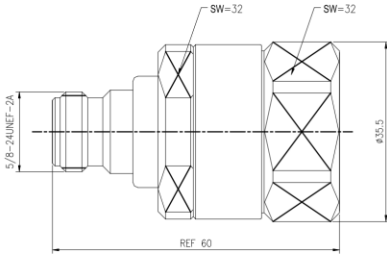
Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:
Working temperature : -40~+85°C
Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)
Water-proof : IP 67

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Qbe2	Silver plated	3~6 μ
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Stop Ring	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

4>.Product dimensions:



All specifications are subject to change without notice. ©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved. Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA TEL:+86-573-86215122 FAX:+86-573-8621 5133 E-mail: sales@gelvo.com



34. SPECIFICATION OF 7/16(DIN) MALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE

SPECIFICATION OF 7/16(DIN) MALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Male For 1/2"SF Cable RF Connector is in accordance with IEC60169-4: 1975

Male interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.08\text{dB}$
Insulation resistance		$\geq 10000\text{m}\Omega$
Intermodulation (PIM 3)		$\leq -160\text{dBc}@2\text{x}20\text{W}$ ($\leq -165\text{dBc}@2\text{x}20\text{W}$ Typical)
Contact resistance	Inner conductor	$\leq 0.40\text{ m}\Omega$
	Outer conductor	$\leq 0.20\text{ m}\Omega$
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

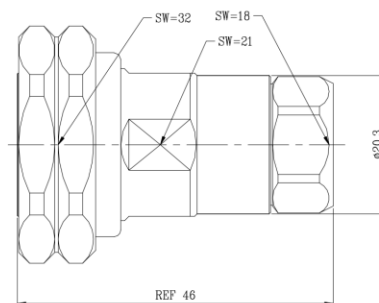
Water-proof : IP 68

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website: <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com



35. SPECIFICATION OF 7/16(DIN) FEMALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE

SPECIFICATION OF 7/16(DIN) FEMALE CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Female For 1/2"SF Cable RF Connector is in accordance with IEC60169-4: 1975

Female interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.08\text{dB}$
Insulation resistance		$\geq 10000\text{m}\Omega$
Intermodulation (PIM 3)		$\leq -160\text{dBc}@2\times 20\text{W}$ ($\leq -165\text{dBc}@2\times 20\text{W}$ Typical)
Contact resistance	Inner conductor	$\leq 0.40\text{ m}\Omega$
	Outer conductor	$\leq 0.20\text{ m}\Omega$
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : $-40\sim+85^{\circ}\text{C}$

Relative moisture : $90\%\sim 95\%$ (Temperature: $40\pm 2^{\circ}\text{C}$)

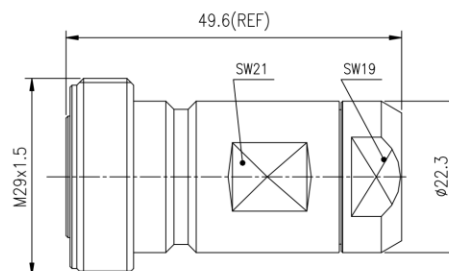
Water-proof : IP 68

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	$3\sim 6\mu$
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	$3\sim 6\mu$
Connecting Nut	Brass (HPb59-1)	Nickel plated	$2\sim 3\mu$
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com



36. SPECIFICATION OF 7/16(DIN) MALE(RA) CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE

SPECIFICATION OF 7/16(DIN) MALE(RA) CONNECTOR FOR 1/2" SUPERFLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Male Right Angle For 1/2" Superflexible Cable RF Connector is in accordance with IEC60169-4: 1975

Male interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.08 dB
Intermodulation (PIM 3)		≤ -150 dBc@2x20W (≤ -155 dBc@2x20W Typical)
Insulation resistance		≥ 10000 m Ω
Contact resistance	Inner conductor	≤ 0.40 m Ω
	Outer conductor	≤ 0.20 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

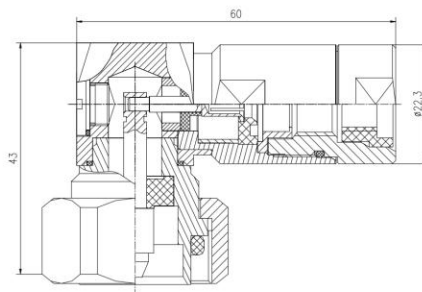
Water-proof : IP 68

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

37. SPECIFICATION OF 7/16(DIN) MALE CONNECTOR FOR 1/2" FLEXIBLE CABLE

SPECIFICATION OF 7/16(DIN) MALE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Male For 1/2" Feeder Cable RF Connector is in accordance with IEC60169-4: 1975

Male interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		≤ 0.08 dB
Intermodulation (PIM 3)		≤ -160 dBc@2x20W (≤ -165 dBc@2x20W Typical)
Insulation resistance		≥ 10000 m Ω
Contact resistance	Inner conductor	≤ 0.40 m Ω
	Outer conductor	≤ 0.20 m Ω
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

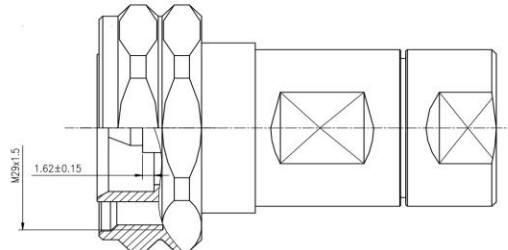
Water-proof : IP 68

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com

38. SPECIFICATION OF 7/16(DIN) FEMALE CONNECTOR FOR 1/2" FLEXIBLE CABLE

SPECIFICATION OF 7/16(DIN) FEMALE CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Female For 1/2" Feeder Cable RF Connector is in accordance with IEC60169-4: 1975

Female interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.08\text{dB}$
Intermodulation (PIM 3)		$\leq -160\text{dBc}@2\text{x}20\text{W}$ ($\leq -165\text{dBc}@2\text{x}20\text{W}$ Typical)
Insulation resistance		$\geq 10000\text{m}\Omega$
Contact resistance	Inner conductor	$\leq 0.40\text{ m}\Omega$
	Outer conductor	$\leq 0.20\text{ m}\Omega$
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

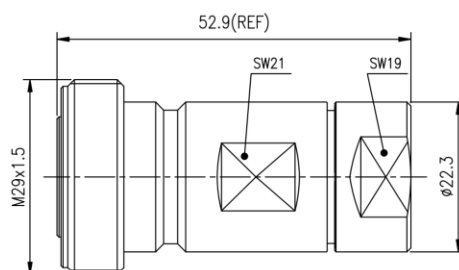
Water-proof : IP 68

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Jack Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com

39. SPECIFICATION OF 7/16(DIN) MALE(RA) CONNECTOR FOR 1/2" FLEXIBLE CABLE

SPECIFICATION OF 7/16(DIN) MALE(RA) CONNECTOR FOR 1/2" FLEXIBLE CABLE



Telecommunication Technology & Engineering Accessories

Rev.V1.3

7/16(DIN) Male Right Angle For 1/2" Feeder Cable RF Connector is in accordance with IEC60169-4: 1975

Male interface screw thread: M29X1.5

1>.Electrical Characteristics:

Item		Specification
Impedance(Ω)		50 Ω
Frequency range		0~3 GHz
Insertion loss (900MHz)		$\leq 0.08\text{dB}$
Intermodulation (PIM 3)		$\leq -150\text{dBc}@2\times 20\text{W}$ ($\leq -155\text{dBc}@2\times 20\text{W}$ Typical)
Insulation resistance		$\geq 10000\text{m}\Omega$
Contact resistance	Inner conductor	$\leq 0.40\text{ m}\Omega$
	Outer conductor	$\leq 0.20\text{ m}\Omega$
Withstanding voltage AC(V/min)		2500V
VSWR		≤ 1.10 (0~2700MHz)
Durability		500 Times

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

2>.Working environment:

Working temperature : -40~+85°C

Relative moisture : 90%~95% (Temperature: 40 $\pm$ 2°C)

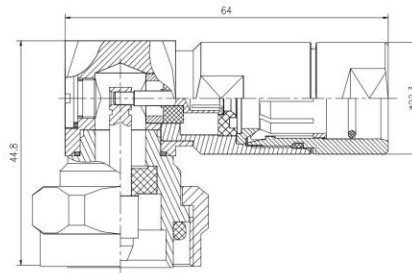
Water-proof : IP 68

3>.Material and plating:

Name of part	Material	Plating	Thickness of plating
Outer Contact	Brass (HPb59-1)	Alloy plated	$\geq 3\mu$
Center Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Plug Contact	Bronze(QSn6.5-0.1)	Silver plated	3~6 μ
Connecting Nut	Brass (HPb59-1)	Nickel plated	2~3 μ
Gasket	Rubber		
Insulator	PTEF (SFX-1-1)		

Note: The thickness of plating can be regulated according to clients.

4>.Product dimensions:



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com

40. SPECIFICATION OF N TYPE CALIBRATION KIT

Specification of N Type Calibration Kits



Telecommunication Technology & Engineering Accessories

Rev.V1.1

Specification of N Type Calibration Kits (DC-6GHz):

Item	Specification		
Name	Precision Termination Load	Open Load	Short Load
Model	TE-PR-6GNM(F)	OPD-6GNM(F)	SHD-6GNM(F)
Frequency	DC-6GHz		
VSWR	≤ 1.02	≥ 100	≥ 100
Impedance	50 Ω		
Connector	N Male or Female	N Male or Female	N Male or Female
Mating Cycles	500 Cycles		

Product Picture:



TE-PR-6GNM



TE-PR-6GNF



OPD-6GNM



OPD-6GNF



SHD-6GNM



SHD-6GNF

All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

41. SPECIFICATIONS OF 7/16(DIN) MALE TO 4.3/10 FEMALE RF ADAPTER (COPLA)



SPECIFICATIONS OF 7/16(DIN) MALE TO 4.3/10 FEMALE RF ADAPTER
GELVO TELECOM RF MICROWAVE DEPT.

日期: 2015.06
 审核: *Long, Jia*

Specifications of 7/16(DIN) Male to 4.3/10(MINI DIN) Female RF Adapter:

Mechanical characteristics:

Model	7/16(DIN)/M-43MD/F
Frequency Range	0~6GHz
Contact Resistance	Inner Conductor $\leq 0.4 \text{ m}\Omega$
	Outer Conductor $\leq 1.5 \text{ m}\Omega$
Insulation Resistance	$\geq 5000 \text{ M}\Omega$
Withstanding Voltage AC(V/min)	$\geq 3000\text{V}$
VSWR	$\leq 1.08(0\sim 3\text{GHz})$, $\leq 1.20(0\sim 6\text{GHz})$
PIM (2X43dBm)	$< -165\text{dBc}$ ($< -168\text{dBc}$ Typical)
Insertion Loss	$\leq 0.1\text{dB}$
Impedance	50Ω
Durability	500 Cycles

When results tested by different analyzers are different should adopt the HP testing device as criteria.

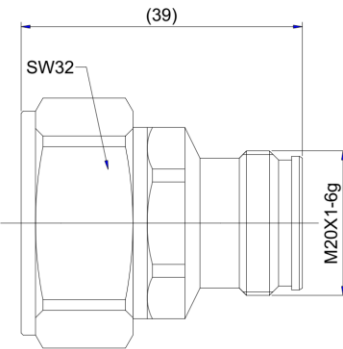
Working environment: Working temperature: $-55\sim +155^{\circ}$, Relative moisture : $90\%\sim 95\%$ (Temperature: $40\pm 2^{\circ}\text{C}$)

Atmospheric pressure: (70~106)Kpa.

Material & Plating:

Name of Part	Material	Plating	Thickness of Plating
Shell	Brass (HPb59-1)	Ternary Alloy or Silver Plated	2μ
Out conductor	Brass (HPb59-1)	Ternary Alloy or Silver Plated	2μ
Connecting nut	Brass (HPb59-1)	Ternary Alloy or Nickel Plated	2μ
Sealing	Silicone Rubber		
Probe	Brass (HPb59-1)	Silver Plated	3μ
Insulator	PTEF (SFX-1)		

Product Dimensions:



Telecom Equipment & Engineering Accessories
 ADD: NORTH BAICHI ROAD, HAIYAN ZHEJIANG CHINA

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD
 TEL: +86-573-8698 0496

Website <http://www.gelvo.com>
 E-mail: sales@gelvo.com

42. SPECIFICATIONS OF 4.3/10 FEMALE TO N MALE RF ADAPTER (COPLA)



SPECIFICATIONS OF 4.3/10 FEMALE TO N MALE RF ADAPTER GELVO TELECOM RF MICROWAVE DEPT.

日期: 2015.06
审核: *Yang, Yu*

Specifications of 4.3/10(MINI DIN) Female to N Male RF Adapter:

Mechanical characteristics:

Model	43MD/F-N/M	
Frequency Range	0~6GHz	
Contact Resistance	Inner Conductor	≤0.4 mΩ
	Outer Conductor	≤1.5 mΩ
Insulation Resistance	≥5000 MΩ	
Withstanding Voltage AC(V/min)	≥3000V	
VSWR	≤1.08(0~3GHz) , ≤1.20(0~6GHz)	
PIM (2X43dBm)	<-165dBc (<-168dBc Typical)	
Insertion Loss	≤0.1dB	
Impedance	50Ω	
Durability	500 Cycles	

When results tested by different analyzers are different should adopt the HP testing device as criteria.

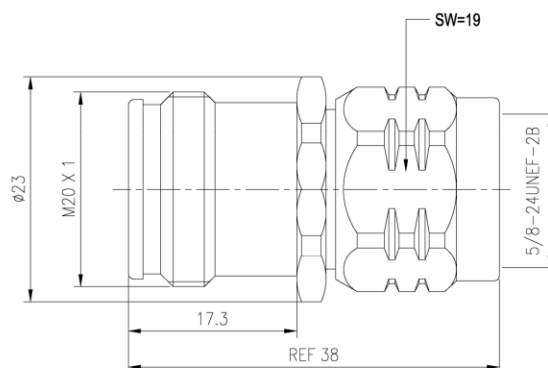
Working environment: Working temperature: -55~+155°, Relative moisture : 90%~95%(Temperature: 40±2°C)

Atmospheric pressure: (70~106)Kpa.

Material & Plating:

Name of Part	Material	Plating	Thickness of Plating
Shell	Brass (HPb59-1)	Ternary Alloy or Silver Plated	2μ
Out conductor	Brass (HPb59-1)	Ternary Alloy or Silver Plated	2μ
Connecting nut	Brass (HPb59-1)	Ternary Alloy or Nickel Plated	2μ
Sealing	Silicone Rubber		
Probe	Brass (HPb59-1)	Silver Plated	3μ
Insulator	PTEF (SFX-1)		

Product Dimensions:



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD, HAIYAN ZHEJIANG CHINA

TEL: +86-573-8698 0496

FAX: +86-573-8698 0497

E-mail: sales@gelvo.com

43. SPECIFICATIONS OF RF ADAPTER CONNECTOR (COPLA)

	SPECIFICATIONS OF RF ADAPTER CONNECTOR GELVO TELECOM RF MICROWAVE DEPT.	日期: 2006.06 审核: <i>Young Zhu</i>
---	--	-------------------------------------

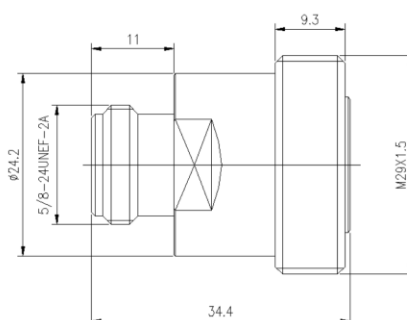
Specifications of 7/16(DIN) Female to N Female Adapter

- 7/16(DIN)F-N/F adapter is in accordance with IEC60169-16: 1982
- DIN interface screw thread:M29x1.5 ,N interface screw thread:5/8-24UNEF-2B
- Material and plating:

Name of part	Material	Plating	Thickness of plating
Shell	Brass (HPb59-1)	Ternary Alloy or Silver Plated	2μ
Out conductor	Brass (HPb59-1)	Ternary Alloy or Silver Plated	2μ
Sealing	Silicone rubber		
Probe	Brass (HPb59-1)	Silver Plated	3μ
Insulator	PTEF (SFX-1)		

- Working environment: Working temperature: -55~+155°, Relative moisture : 90%~95% (Temperature: 40±2°C)
Atmospheric pressure: (70~106)Kpa.

- Dimensions:



6. Mechanical characteristics:

Frequency range		0~3GHz
Contact resistance (mΩ)	Inner conductor	≤1.4 mΩ
	Outer conductor	≤0.45 mΩ
Insulation resistance (MΩ)		≥5000MΩ
Withstanding voltage AC(V/min)		≥2500V
VSWR(0~3GHz)		≤1.08(0~2GHz)
		≤1.10(0~3GHz)
Impedance(Ω)		50
Durability		500 Cycles

- When results tested by different analyzers are different should adopt the HP testing device as criteria.

44. SPECIFICATIONS OF RF ADAPTER CONNECTOR (COPLA)

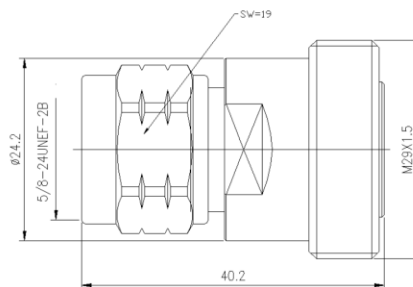
	SPECIFICATIONS OF RF ADAPTER CONNECTOR GELVO TELECOM RF MICROWAVE DEPT.	日期: 2006.06 审核: <i>Yang Zhu</i>
---	--	------------------------------------

Specifications of 7/16(DIN) Female to N Male Adapter

- 7/16(DIN)F-N/M adapter is in accordance with IEC60169-16: 1982
- DIN interface screw thread:M29x1.5 ,N interface screw thread:5/8-24UNEF-2B
- Material and plating:

Name of part	Material	Plating	Thickness of plating
Shell	Brass (HPb59-1)	Ternary Alloy or Silver Plated	2μ
Out conductor	Brass (HPb59-1)	Ternary Alloy or Silver Plated	2μ
Connecting nut	Brass (HPb59-1)	Ternary Alloy or Nickel Plated	2μ
Sealing	Silicone rubber		
Probe	Brass (HPb59-1)	Silver Plated	3μ
Insulator	PTEF (SFX-1)		

- Working environment: Working temperature: -55~+155°, Relative moisture : 90%~95% (Temperature: 40±2°C)
Atmospheric pressure: (70~106)Kpa.
- Dimensions:



6. Mechanical characteristics:

Frequency range		0~3GHz
Contact resistance (mΩ)	Inner conductor	≤1.4 mΩ
	Outer conductor	≤0.45 mΩ
Insulation resistance (MΩ)		≥5000MΩ
Withstanding voltage AC(V/min)		≥2500V
VSWR(0~3GHz)		≤1.08(0~2GHz)
		≤1.10(0~3GHz)
Impedance(Ω)		50
Durability		500 Cycles

- When results tested by different analyzers are different should adopt the HP testing device as criteria.



45. TWO HOLE TYPE FIBER/POWER CLAMP (F.O./POWER)

TWO HOLE TYPE FIBER/POWER CLAMP



Telecommunication Technology & Engineering Accessories

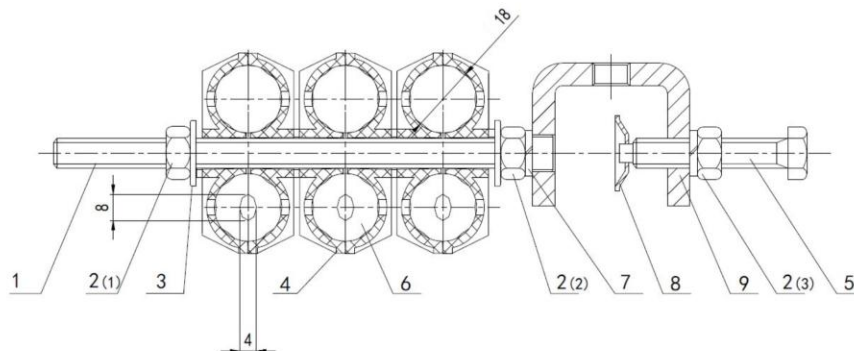
Rev.V1.4

双孔型光纤/电源馈线卡规格书:

Specification of Two Hole Type Fiber/Power Clamp:

Item	Specification
Model	TWOS-3X8/3X18-304SS
Application Size	5~8mm Optical Fiber Cable + 17~18mm Power Cable
Clamp Stack	Single Stack (2 Ways)
	Double Stack (4 Ways)
	Triple Stack (6 Ways)
	Fourfold Stack (8 Ways)
Material of Out Clamp	Polypropylene Material (PP)
Material of Clamp Inner	EPDM Rubber
Material of U Clamp & Thread Rod	304SS M8 Thread Rod
Material of Splint, Washer & Nut	304 Stainless Steel
Speciality	Indoor/Outdoor Use , UV Resistance
Temperature	MAX temperature + 65 °C
	MIN temperature - 50 °C
Color	Black Colour

Product Drawing:



Note: Product appearance is for reference only any change pls subject to without further notice.



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-8621 5122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

46. SPECIFICATION OF 1/2" SUPERFLEXIBLE FORM DIELECTRIC CABLE GELVO TECHNOLOGY RF CABLE DEPT

SPECIFICATION OF 1/2" SUPERFLEXIBLE FORM DIELECTRIC CABLE GELVO TECHNOLOGY RF CABLE DEPT.

Communications Technology & Engineering Accessories



Rev.V1.2

1/2" Superflexible Form Dielectric Feeder Cable (HRCAY-50-9/ HRCAY-50-9ZR):

Cable Construction:

Item	Diameter	Material
内导体 Inner Conductor	3.60 mm	Copper clad aluminum wire
绝缘体 Insulator	9.10 mm	Foamed polyethylene
外导体 Outer Conductor	12.00 mm	Helical corrugated copper tube
护套 Jacket	13.30 mm	Polyethylene/Low Smoke Halogen Free

Mechanical Characteristics:

Item	Specification	Remarks
最小弯曲半径 Static Minimum Bending Radius	15mm	Single bend
最小弯曲半径 Dynamic Minimum Bending Radius	30 mm	Repeat for 15 times
抗拉力 Tensile Strength	650N	

Electrical Characteristics:

Item	Specification	Remarks
特性阻抗 Characteristic Impedance	50Ω	
传输速比 Velocity	82%	Nominal value
最小绝缘电阻 Minimum Insulation Resistance	5000MΩ.km	DC 500V 1 minute
电容 Capacitance	80pF/m	Nominal value
耐电压 Dielectric Strength	DC30000V	1 minute
内导体直流电阻 Inner Conductor DC Resistance	2.9Ω/km	At 20℃
外导体直流电阻 Outer Conductor DC Resistance	3.4Ω/km	At 20℃
额定峰值功率 Peak Power Rating	12kW	
峰值电压 RF Peak Voltage	1130V	
典型电压驻波比 VSWR Typical Value	1.15	800M-2700MHz
	1.20	3300M-3600MHz
	1.20	4800M-5000MHz

Attenuation & Average Power Rating:

Frequency MHz	Attenuation dB/100m	Average Power KW	Frequency MHz	Attenuation dB/100m	Average Power KW
100	3.15	3.03	1500	13.40	0.70
150	3.95	2.39	1800	15.12	0.63
200	4.55	2.11	2000	15.93	0.59
280	5.50	1.69	2500	17.96	0.52
450	7.00	1.37	3000	20.25	0.48
800	9.58	1.00	3600	22.20	0.43
900	10.26	0.94	4000	23.60	0.41
1000	10.86	0.88	5000	26.90	0.36

All specifications are subject to change without notice. ©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved. Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA TEL:+86-573-86215122 FAX:+86-573-8621 5133 E-mail: sales@gelvo.com



SPECIFICATION OF 1/2" SUPERFLEXIBLE FORM DIELECTRIC CABLE GELVO TECHNOLOGY RF CABLE DEPT.



Telecommunication Technology & Engineering Accessories

Rev.V1.2



1/2" SuperFlexible Form Dielectric Feeder Cable Picture



1/2" SuperFlexible Form Dielectric Feeder Cable Packing Picture (500 Meter)

All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

47. SPECIFICATION OF 1/2" FLEXIBLE FORM DIELECTRIC CABLE GELVO TECHNOLOGY RF CABLE DEPT. (CABLE RÍGIDO)

SPECIFICATION OF 1/2" FLEXIBLE FORM DIELECTRIC CABLE GELVO TECHNOLOGY RF CABLE DEPT.

Communications Technology & Engineering Accessories



Rev.V1.3

Specifiatiob of the 1/2" Form Dielectric Feeder Cable (Model: HCAAY-50-12 / HCAAY-50-12ZR):

Cable Construction:

Item	Diameter	Material
Inner Conductor	4.8 mm	Copper clad aluminum wire or copper wire
Insulator	12.3 mm	Foamed polyethylene
Outer Conductor	13.8 mm	Annular corrugated copper tube
Jacket	15.7 mm	Polyethylene or Low Smoke Halogen Free

Mechanical Characteristics:

Item	Specification	Remarks
Static Minimum Bending Radius	50 mm	Single bend
Dynamic Minimum Bending Radius	125 mm	Repeat for 15 times
Tensile Strength	1100 N	247lb

Electrical Characteristics:

Item	Specification	Remarks
Characteristic Impedance	50±1Ω	
Velocity	88%	Nominal value
Minimum Insulation Resistance	5000MΩ.km	DC 500V 1 minute
Capacitance	76pF/m	Nominal value
Dielectric Strength	DC4000V	1 minute
Inner Conductor DC Resistance	1.6Ω/km	At 20℃
Outer Conductor DC Resistance	1.9Ω/km	At 20℃
Peak Power Rating	40kW	
RF Peak Voltage	1600V	
VSWR Typical Value	1.13	800M-1000MHz
	1.22	1700M-3000MHz
	1.28	3000M-4000MHz

Attenuation & Average Power Rating:

Frequency MHz	Attenuation dB/100m	Average Power kw	Frequency MHz	Attenuation dB/100m	Average Power kw
100	2.16	3.94	1500	9.08	0.95
150	2.67	3.17	1800	10.05	0.86
200	3.09	2.75	2000	10.66	0.81
280	3.69	2.27	2200	11.24	0.77
450	4.74	1.80	2400	11.80	0.75
800	6.45	1.33	2500	12.08	0.73
900	6.87	1.25	3000	13.39	0.65
1000	7.28	1.18	4000	15.90	0.47

All specifications are subject to change without notice.

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

TEL: +86-573-86215122 FAX: +86-573-8621 5133

Website <http://www.gelvo.com>

E-mail: sales@gelvo.com

	Catálogo Galvo Technology		
Revisión A	Julio 2025	RC_GV_TL_003	Página 52 de 65

SPECIFICATION OF 1/2" FLEXIBLE FORM DIELECTRIC CABLE GELVO TECHNOLOGY RF CABLE DEPT.



Telecommunication Technology & Engineering Accessories

Rev.V1.1



1/2" Flexible Form Dielectric Feeder Cable Picture



1/2" Flexible Form Dielectric Feeder Cable Packing Picture (500 Meter)



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-86215122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

48. SPECIFICATION OF 7/8" FORM DIELECTRIC FEEDER CABLE

SPECIFICATION OF 7/8" FLEXIBLE FORM DIELECTRIC CABLE

GELVO TECHNOLOGY RF CABLE DEPT.



Telecommunication Technology & Engineering Accessories Rev.V1.4

7/8"物理发泡皱纹铜管射频电缆 7/8" Form Dielectric Feeder Cable (HCTAY-50-22/ HCTAY-50-22ZR):
 结构尺寸 Construction:

Item	Diameter	Material
内导体 Inner Conductor	9.0 mm	Copper Tube
绝缘体 Insulator	22.3 mm	Foamed polyethylene
外导体 Outer Conductor	25.0 mm	Annular corrugated copper tube
护套 Jacket	27.6 mm	Polyethylene/Low Smoke Halogen Free

机械性能 Mechanical Characteristics:

Item	Specification	Remarks
最小弯曲半径 Static Minimum Bending Radius	90mm 静态	Single bend
最小弯曲半径 Dynamic Minimum Bending Radius	250mm 动态	Repeat for 15 times
抗拉力 Tensile Strength	1470N	
电缆重量 Cable Weight	550kg/km	

电气性能 Electrical Characteristics:

Item	Specification	Remarks
特性阻抗 Characteristic Impedance	50Ω	
传输速比 Velocity	89%	Nominal value
最小绝缘电阻 Minimum Insulation Resistance	5000MΩ.km	DC 500V 1 minute
电容 Capacitance	75.0pF/m	Nominal value
耐电压 Dielectric Strength	DC10000V	1 minute
内导体直流电阻 Inner Conductor DC Resistance	1.04Ω/km	At 20℃
外导体直流电阻 Outer Conductor DC Resistance	1.05Ω/km	At 20℃
额定峰值功率 Peak Power Rating	91kW	
峰值电压 RF Peak Voltage	3000V	
典型电压驻波比 VSWR Typical Value	1.10	800-2200MHz
	1.13	2200-2700MHz
	1.20	2700-4000MHz

衰减系数和额定平均功率 Attenuation & Average Power Rating:

Frequency MHz	Attenuation dB/100m	Average Power kw	Frequency MHz	Attenuation dB/100m	Average Power kw
100	1.19	8.62	1800	5.73	1.79
150	1.47	7.20	2000	6.09	1.68
280	2.05	4.94	2500	6.78	1.50
450	2.64	3.88	2700	7.22	1.31
800	3.62	2.83	3000	7.68	1.22
900	3.87	2.65	3400	8.35	1.12
1000	4.10	2.50	4000	10.56	1.00
1500	5.16	1.99	5000	10.90	0.86

All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com



SPECIFICATION OF 7/8" FORM DIELECTRIC FEEDER CABLE
GELVO TELECOM RF FEEDER CABLE DEPT.

日期:2008.11

审核: Ch. Yang

Product Picture
7/8" Standard type RF Cable



Product Packing
500Meter / Per Wooden Drum



Note: The picture is only for reference, please make the object as the standard.

Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD, HAIYAN ZHEJIANG CHINA

TEL: +86-573-8696 3088, 8698 0496

FAX: +86-573-8698 0497

E-mail: sales@gelvo.com

49. SPECIFICATION OF BTS TOWER FLEX SHIELDED CABLE GELVO TELECOM ELECTRON CABLE DEPT. (CABLE POWER)



SPECIFICATION OF BTS TOWER FLEX SHIELDED CABLE GELVO TELECOM ELECTRON CABLE DEPT.

日期:2019.06

版本: V1.01

Specification of Radio Base Station Tower Flex Shielded Cable 0.6/1KV PVC

Electrical Characteristics:

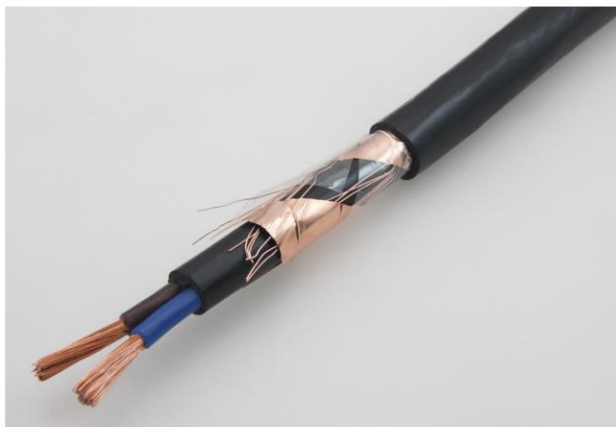
Item	Specification
Conductor	Bare annealed copper wire. Stranding: class 5
Insulation	Halogen free XLPE compound. Brown and blue insulation.
Binding	Plastic non-hygroscopic tape.
Inner Jacket	Poly Vinyl Chloride
Concentric Conductor	Copper wires helically applied over insulation shield (concentric format) and copper tape helically applied over concentric conductor.
Jacket	Polyvinyl Chloride RoHS Compliant (PVC) black able to withst and exposure to sunlight (UVA and B resistant) and to atmospheric temperature.

Notice: For Radio Base Station Tower Application, we recommend to use Cable Clamps with 2 meters distance each.

Min. bending radius, installation 12 x D, Final installation only one bending 8 x D (D= overall diameter)

Technical Data:

P/N	DESCRIPTION	CONDUCTOR RESISTANCE	CONCENTRIC CONDUCTOR RESISTANCE	INSULATION THICKNESS (mm)	INSULATION THICKNESS (mm)	OVERALL DIAMETER (mm)	WEIGHT APPROX. (Kg/km)
GTC 2x6/2,5mm ²	CABLE MONTFLEX-E AFT 2x6/2,5mm ²	3.08	7.41	0.70	1.80	16.50	370
GTC 2x10/2,5mm ²	CABLE MONTFLEX-E AFT 2x10/2,5mm ²	1.83	7.41	0.70	1.80	18.00	500
GTC 2x16/2,5mm ²	CABLE MONTFLEX-E AFT 2x16/2,5mm ²	1.15	7.41	0.70	1.80	20.00	700
GTC 2x25/2,5mm ²	CABLE MONTFLEX-E AFT 2x25/2,5mm ²	0.73	7.41	0.90	1.80	23.50	980



Telecom Equipment & Engineering Accessories

HAIYAN GELVO TELECOM EQUIPMENT CO.,LTD

Website <http://www.gelvo.com>

ADD: NORTH BAICHI ROAD, HAIYAN ZHEJIANG CHINA

TEL: +86-573-8696 3088 , 8698 0496

FAX: +86-573-8698 0497

E-mail: sales@gelvo.com

50. SPECIFICATION OF COAXIAL LMR195

GT-LMR195 RF COAXIAL CABLE (30-6000MHz)



Communications Technology & Engineering Accessories

Rev.V1.3

GT-LMR195 电缆规格书:

电缆结构 Construction Specification:

Item	Material	Diameter(mm)
1. Inner Conductor	Solid Copper Wire	0.94
2. Dielectric	Physical Foam Polyethylene	2.79
3. Outer Conductor	Aluminum Foil + Tinned Copper Braid	3.50
4. Jacket	Black Polyethylene (PE)	4.95

主要电气性能 Electrical Characteristics Mechanical and Environmental Characteristics:

Item	Specification	Item	Specification
Capacitance(pF/m)	79.7	Min. Bend Radius(mm)	65
Impedance(ohm)	50	Storage Temp.(℃)	-40 to +80
Velocity(%)	80	Installation Temp. (℃)	-40 to +80
DC Resistance(Ω/km)	24.94(Inner Conductor)	Operating Temp.(℃)	-40 to +80
DC Resistance(Ω/km)	16.08(Outer Conductor)		
Shielding Effectiveness(dB)	>90		
VSWR≤(Return loss≥dB)	≤1.10 (800-1000MHz)		
	≤1.15 (1700-2400MHz)		

衰减及功率系数 Attenuation and Avg. Power(20℃):

Frequency(MHz)	Attenuation(dB/100m)	Avg. Power(KW)	Product Picture (GT- LMR195)
30 MHz	6.50	0.78	
50 MHz	8.40	0.60	
150 MHz	14.60	0.35	
220 MHz	17.70	0.29	
450 MHz	25.50	0.20	
900 MHz	36.50	0.14	
1500 MHz	47.70	0.11	
1800 MHz	52.50	0.10	
2000 MHz	55.40	0.09	
2500 MHz	62.40	0.08	
3000 MHz	67.50	0.08	
5800 MHz	93.00	0.05	



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-8621 5122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com

51. SPECIFICATION OF COAXIAL LMR400

GT-LMR400 RF COAXIAL CABLE (30-6000MHz)



Communications Technology & Engineering Accessories

Rev.V1.3

电缆结构 Construction Specification:

Item	Material	Diameter(mm)
1. Inner Conductor	Copper Clad Aluminum	2.74
2. Dielectric	Physical Foam Polyethylene	7.24
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	8.10
4. Jacket	Polyethylene(PE) or Fire Retardant PE *	10.29

* Low Smoke Halogen Free Fire Retardant polyethylene.

主要电气性能 Electrical Characteristics Mechanical and Environmental Characteristics:

Item	Specification	Item	Specification
Capacitance(pF/m)	78	Min. Bend Radius(mm)	125mm
Impedance(ohm)	50	Storage Temp.(℃)	-40 to +80
Velocity(%)	85	Installation Temp. (℃)	-40 to +80
DC Resistance(Ω/km)	4.69(Inner Conductor)	Operating Temp.(℃)	-40 to +80
	5.61(Outer Conductor)	VSWR	≤1.20(30-6000MHz)
Shielding Effectiveness(dB)	>90		

衰减及功率系数 Attenuation and Avg. Power(20℃):

Frequency(MHz)	Attenuation(dB/100m)	Avg. Power(KW)	Product Picture (GT-LMR400,GT-LMR400FR)
30 MHz	2.49	3.33	
50 MHz	3.18	2.57	
150 MHz	4.92	1.47	
220 MHz	6.23	1.20	
450 MHz	8.86	0.83	
900 MHz	12.81	0.58	
1500 MHz	16.71	0.44	
1800 MHz	18.40	0.40	
2000 MHz	19.40	0.37	
2500 MHz	22.00	0.33	
3000 MHz	24.60	0.30	
4000 MHz	28.87	0.28	
6000 MHz	36.42	0.21	



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-8621 5122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com



52. 50W LOW PIM TERMINATION LOAD

50W LOW PIM TERMINATION LOAD



Telecommunication Technology & Engineering Accessories

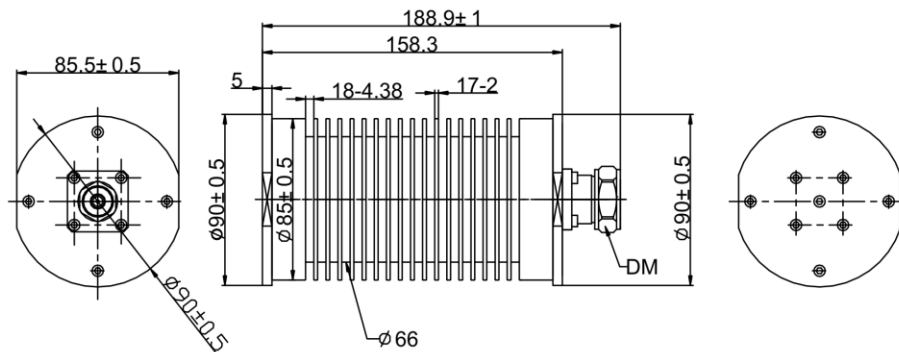
Rev.V1.3

Specification of 50W, 7/16(DIN) Type Low PIM Termination Load:

Item	Specification	
Model	LPTE-50W-3GDM/R	LPTE-50W-3GDF/R
Power	50W	
Frequency Range	698-2700MHz (30-3000MHz)	
VSWR	≤ 1.15	
Impedance	50 Ω	
Intermodulation	-160dBc@2X43dBm / -168dBc@2X43dBm (Typical)	
Connector Type	7/16(DIN)-Male *	7/16(DIN)-Female *
Body Color	Black	
Radiator	Aluminum	
Temperature	-35°C - +50°C	
Annotation	Indoor Use	

* Can be custom made with 4.1/9.5 or 4.3/10 connector

Product Drawing



Note: The picture and the specification are just for reference. Be subject to the actual products if anything different or updated, Please pardon for without notice.



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-86215122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com

53. 100W LOW PIM TERMINATION LOAD

100W LOW PIM TERMINATION LOAD

Telecommunication Technology & Engineering Accessories

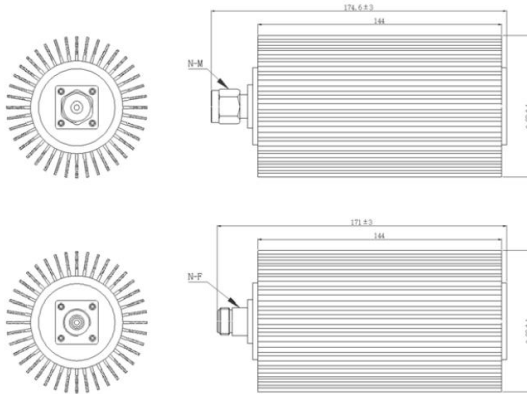


Rev.V1.2

Specification of 100W, N Type Low PIM Termination Load:

Item	Specification	
Model	LPTE-100W-4GNMS/R	LPTE-100W-4GNFS/R
Power	100W	
Frequency Range	350-4000MHz	
VSWR	≤1.30	
Impedance	50 Ω	
Intermodulation	-155dBc@2X43dBm / -160dBc@2X43dBm (Typical)	
Connector Type	N/Male	N/Female
Body Color	Black	
Radiator	Aluminum	
Temperature	-35℃ - +50℃	
Annotation	Indoor Use,IP65	

Product Drawing:



Note: The picture and the specification are just for reference. Be subject to the actual products if anything different or updated, Please pardon for without notice.

All specifications are subject to change without notice.

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

TEL:+86-573-86215122 FAX:+86-573-8621 5133

Website <http://www.gelvo.com>

E-mail: sales@gelvo.com



54. N MALE FOR 1/2" FLEXIBLE (COMPRESSION)

N MALE FOR 1/2" FLEXIBLE (COMPRESSION)



Telecommunication Technology & Engineering Accessories Rev.V1.2

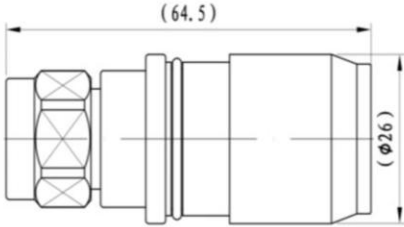
N Male Compression Connector for 1/2" Flexible Cable:

Electrical Characteristics:

Item	Specification
Model	N/M-KS12L
Impedance	50Ω
Frequency Range	0~6 GHz
PIM	≤-160dBC@2X43dBm
Dielectric Resistance	≥5000mΩ
Contact resistance	Inner conductor
	Outer conductor
	≤1.00 mΩ
	≤0.25mΩ
Dielectric Withstanding Voltage	≥2500V RMS,50Hz
VSWR	≤1.10 (DC~2700MHz) , ≤1.20 (2700~4000MHz)
Installation	Professional Compression Tools
Mating Cycles	500 Cycles

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

Working environment:
 Working temperature : -45~+85°C
 Waterproof : IP68 24hr, 1m, 20°C




Material and plating:

Item	Material	Plating
Outer Contact	Brass	Trimetal Plating
Center Contact	Brass	Silver Plated
Connecting Nut	Brass	Trimetal Plating
Body	Aluminium	Oxidized black
Gasket	Silicon Rubber	/
Insulator	GPPS	/




All specifications are subject to change without notice. ©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved. Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA TEL:+86-573-8621 5122 FAX:+86-573-8621 5133 E-mail: sales@gelvo.com

55. DIN MALE FOR 1/2" FLEXIBLE (COMPRESSION)



DIN MALE FOR 1/2" FLEXIBLE (COMPRESSION)

Telecommunication Technology & Engineering Accessories Rev.V1.2

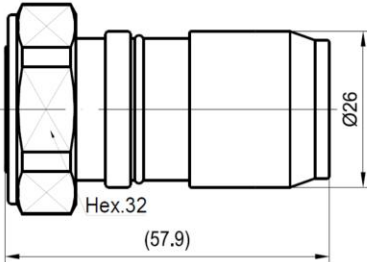
DIN Male Compression Connector for 1/2" Flexible Cable:

Electrical Characteristics:

Item	Specification
Model	DIN/M-KS12L
Impedance	50Ω
Frequency Range	0~7.5 GHz
PIM	≤-160dBC@2X43dBm
Dielectric Resistance	≥5000mΩ
Contact resistance	Inner conductor
	Outer conductor
	≤0.40 mΩ
	≤0.20mΩ
Dielectric Withstanding Voltage	≥4000V RMS,50Hz
VSWR	≤1.10 (DC~2700MHz) , ≤1.20 (2700~4000MHz)
Installation	Professional Compression Tools
Mating Cycles	500 Cycles

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

Working environment:
 Working temperature : -45~+85°C
 Waterproof : IP68 24hr, 1m, 20°C




Material and plating:

Item	Material	Plating
Outer Contact	Brass	Trimetal Plating
Center Contact	Brass & Tin Bronze	Silver Plated
Connecting Nut	Brass	Trimetal Plating
Body	Aluminium	Oxidized black
Gasket	Silicon Rubber	/
Insulator	GPPS	/



All specifications are subject to change without notice. ©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved. Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA TEL:+86-573-8621 5122 FAX:+86-573-8621 5133 E-mail: sales@gelvo.com

56. N MALE FOR 1/2" SUPERFLEXIBLE (COMPRESSION)

N MALE FOR 1/2" SUPERFLEXIBLE (COMPRESSION)

Telecommunication Technology & Engineering Accessories



Rev.V1.2

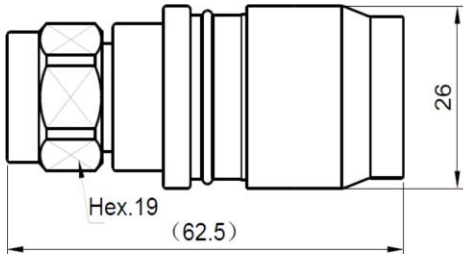
N Male Compression Connector for 1/2" SuperFlexible Cable:

Electrical Characteristics:

Item	Specification
Model	N/M-KS12H
Impedance	50Ω
Frequency Range	0~6GHz
PIM	≤-160dBC@2X43dBm
Dielectric Resistance	≥5000mΩ
Contact resistance	Inner conductor
	Outer conductor
	≤1.0 mΩ
	≤0.25 mΩ
Dielectric Withstanding Voltage	≥2500V RMS,50Hz
VSWR	≤1.10 (DC~2700MHz) , ≤1.20 (2700~4000MHz)
Installation	Professional Compression Tools
Mating Cycles	500 Cycles

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

Working environment:
 Working temperature : -45~+85°C
 Waterproof : IP68 24hr, 1m, 20°C




Material and plating:

Item	Material	Plating
Outer Contact	Brass	Trimetal Plating
Center Contact	Brass	Silver Plated
Connecting Nut	Brass	Trimetal Plating
Body	Aluminium	Oxidized black
Gasket	Silicon Rubber	/
Insulator	GPPS	/

All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL: +86-573-8621 5122

FAX: +86-573-8621 5133

E-mail: sales@gelvo.com

57. DIN MALE FOR 1/2" SUPERFLEXIBLE (COMPRESSION)



DIN MALE FOR 1/2" SUPERFLEXIBLE (COMPRESSION)

Telecommunication Technology & Engineering Accessories Rev.V1.2

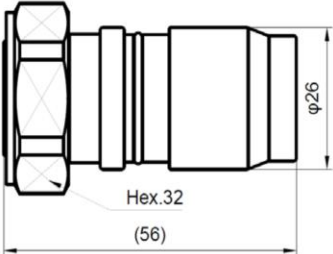
DIN Male Compression Connector for 1/2" SuperFlexible Cable:

Electrical Characteristics:

Item	Specification
Model	DIN/M-KS12H
Impedance	50Ω
Frequency Range	0~7.5GHz
PIM	≤-160dBC@2X43dBm
Dielectric Resistance	≥5000mΩ
Contact resistance	Inner conductor
	Outer conductor
	≤0.40 mΩ
	≤0.20mΩ
Dielectric Withstanding Voltage	≥4000V RMS,50Hz
VSWR	≤1.10 (DC~2700MHz) , ≤1.20 (2700~4000MHz)
Installation	Professional Compression Tools
Mating Cycles	500 Cycles

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

Working environment:
 Working temperature : -45~+85°C
 Waterproof : IP68 24hr, 1m, 20°C




Material and plating:

Item	Material	Plating
Outer Contact	Brass	Trimetal Plating
Center Contact	Brass	Silver Plated
Connecting Nut	Brass	Trimetal Plating
Body	Aluminium	Oxidized black
Gasket	Silicon Rubber	/
Insulator	GPPS	/



All specifications are subject to change without notice. ©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved. Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA TEL:+86-573-8621 5122 FAX:+86-573-8621 5133 E-mail: sales@gelvo.com

58. 4.3-10 MALE FOR 1/2" SUPERFLEXIBLE (COMPRESSION)

4.3-10 MALE FOR 1/2" SUPERFLEXIBLE (COMPRESSION)



Telecommunication Technology & Engineering Accessories

Rev.V1.2

4.3/10 Male Compression Connector for 1/2" SuperFlexible Cable:

Electrical Characteristics:

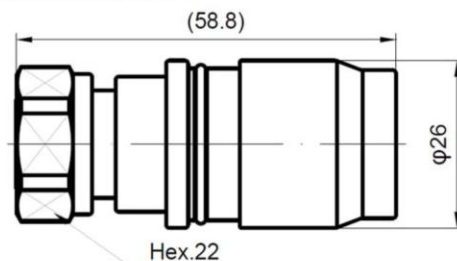
Item		Specification
Model		4310/M-KS12H
Impedance		50Ω
Frequency Range		0~6GHz
PIM		≤-160dBC@2X43dBm
Dielectric Resistance		≥5000mΩ
Contact resistance	Inner conductor	≤0.40 mΩ
	Outer conductor	≤0.20mΩ
Dielectric Withstanding Voltage		≥2500V RMS,50Hz
VSWR		≤1.10 (DC~2700MHz) , ≤1.20 (2700~4000MHz)
Installation		Professional Compression Tools
Mating Cycles		500 Cycles

Note: When results tested by different analyzers are different should adopt the HP testing device as criteria.

Working environment:

Working temperature : -45~+85°C

Waterproof : IP68 24hr, 1m, 20°C



Material and plating:

Item	Material	Plating
Outer Contact	Brass	Trimetal Plating
Center Contact	Brass	Silver Plated
Connecting Nut	Brass	Trimetal Plating
Body	Aluminium	Oxidized black
Gasket	Silicon Rubber	/
Insulator	GPPS	/



All specifications are subject to change without notice.

©2019 JIAXING GELVO TECHNOLOGY CO.,LTD. All Rights Reserved.

Website <http://www.gelvo.com>

ADD: 253 NORTH BAICHI ROAD HAIYAN JIAXING ZHEJIANG CHINA

TEL:+86-573-8621 5122

FAX:+86-573-8621 5133

E-mail: sales@gelvo.com

	Catálogo Galvo Technology		
Revisión A	Julio 2025	RC_GV_TL_003	Página 65 de 65

Raymond comunicaciones también cuenta con solicitudes especiales de equipamiento definido para una necesidad o proyecto especial, como combinaciones de frecuencias, antenas, jumpers a medida, etc. y estamos preparados para enfrentar junto a ustedes el desafío de la nueva generación de las telecomunicaciones (5G).

Para mayor información visite nuestra página web (<http://www.raymondcomunicaciones.cl>) o comuníquese con nosotros para algún tipo de solución específica.



DISTRIBUIDOR HOMOLOGADO EN CHILE.

RAYMOND-COMUNICACIONES EIRL
Rosita Renart 2591, Maipú, Santiago de Chile.
Raymond Acuña Camus.
r.acuna@raymondcomunicaciones.cl
Contacto +56 9 8775 9333
+56 22 3254 8501
www.raymondcomunicaciones.cl