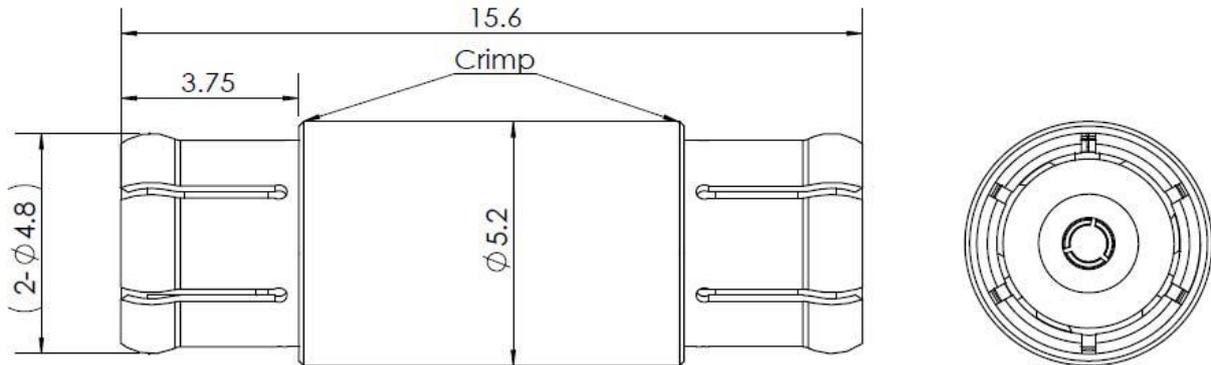


Specification

Amphenol

Changzhou Amphenol Fuyang Communication Equipment Co. Ltd.

Product description.	RSMP straight female-female adapter (stamping version)	Ver. 1	Rev. 0
Part NO.	DQ12-2	Date:	
Draft: AFY/E	Checked: AFY/Q	Approved: AFY/MR	



Reference Standard

Electrical Performance

Nominal Impedance (Ω)	50Ω
Frequency Range	DC~6GHz
Return loss(dB)	≤-22 dB (DC-4GHz) ≤-20 dB (4-6GHz)
Insertion Loss(dB)	≤0.1 dB (0-5GHz) ≤0.15 dB (5-6GHz) Coaxial test
PIM(dBc)	≤-130dBc@2*43dBm &1800MHz
Rated voltage(V)	335V
Withstanding voltage(V)	1000 V
Insulation Resistance(MΩ)	1000MΩ
Power(W)	200W @ 2.7GHz & 25°C
Leakage(dB)	-60 dB (DC-4GHz)
Contact resistance(mΩ)	<3 mΩ(outer conductor) <6 mΩ(inner conductor)

Mechanical Performance	
Mechanical cycle	100 cycle
Misalignment tolerance	Axial : ±0.8mm Radial : ±0.7mm
Force to engage	<30N(snap) <14N(slide)
Force to disengage	>7N(snap) 1.7N <F<5N(slide)
Center contact captivation	>7N(each side)
Weight	0.825g

Material and Plating		
Part	Material	Finish
Body	Brass / Bronze	Copper tin-zinc2um
Inner conductor	Beryllium copper	CU/NIP2/Au0.1um
Insulator	LCP	

Environmental Characteristics		
Characteristics	Data	Standard
Operating Temperature	-55°C to +165°C	N/A
Moisture-proof	Withstanding Voltage ≥ 1000Vrms Insulation Resistance ≥ 1000MΩ	MIL PRF 39012E §4.6.18 MIL STD 202 Method 106
Salt Spray	48h	MIL STD 202 Method 101 Condition B
Vibration	No electrical interruption > 1us	MIL PRF 39012E §4.6.15 MIL STD 202 Method 204 Condition B
Shock	No electrical interruption > 1us	MIL PRF 39012E §4.6.12 MIL STD 202 Method 213 Condition A
RoHS	Compliant	

REV HISTORY			
REV	Revised by:	Revised note:	Date
0	LiWenyan	First	