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Product.

FCCC 1/2-7/16 Straight Female Connector

Prod No.

FC-107

Application and Properties:

The FCCC 1/2-7/16 straight female connector is Series 7/16 RF coaxial connector, characteristic impedance is 50Ω. The Crimp RF coaxial provides superior performance for both return loss and intermodulation distortion.

This FCCC 1/2-7/16 female crimp connector are ideal for those applications where vibration resistance and environmental protection is important, such as radio base stations and broadcast communication applications because has features such as low RL, low IMD, high power capacity, low VSWR, and and air tightness.

- Other Details

- Very robust, extremely stable and with waterproof specifications
- Low IMD and low VSWR provides improved system performance
- Excellent mechanical and environmental properties
- Frequency range: 3GHz
- IP68 protection
- Excellent electrical conductivity
- Compliant with MIL-STD, RoHS, and etc

- Technical Specification

Materials Specifications	
Housing	Brass plating with Tri-Alloy
Insulator	PTFE
Center Conductor	Brass / Phosphor bronze plating with Silver
Other Metal Parts	Brass
Electrical Specifications	
Impedance, Ω	50
Frequency Range, GHz	3
3rd Order IMD, dBc	≤-158
RF Operating Voltage, Vrms	≤565
DC Test Voltage, V	1600
Inner Contact Resistance, mΩ	≤0.80
Outer Contact Resistance, mΩ	≤1.50
Insulation Resistance, MΩ	≥10000
Average Power, W	400@ 900MHz

Continuance

Peak Power, kW	≤6.40
VSWR	≤1.06 @0~1.0GHz
	≤1.10 @1.0~2.7GHz
	≤1.15 @2.7~3.7GHz
Insert Loss, dB	≤0.08
Mechanical and Environmental Characteristics	
Durability	500
Connector Retention Tensile Force, N	890
Connector Retention Torque, N.M	5.42
Operating Temperature, C	-40~+85
Storage Temperature, C	-65~+125
Waterproof	IP68