

- Information



www.telecomtender.com



Product.

FCCC 1/2-7/16 Straight Male Connector

Prod No.

FC-121

Application and Properties:

The 7/16 series name derives from the metric dimensions of the connector interface: 7mm OD of inner contact, 16 mm ID of outer contact.

The 1/2-7/16 straight male connector provide superior performance for both return loss and intermodulation distortion.

This FCCC 1/2-7/16 male 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. This 1/2-7/16 straight connector used to connect feeder cables transmitting high power RF signals in broadcast and TV system, base stations, antenna feeders, and microwave systems such as satellite communication and radar surveillance.

- Other Details

- Very robust, extremely stable and with waterproof specifications
- Low IMD and low VSWR provides improved system performance
- Excellent mechanical and environmental properties
- 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 plating with Ni
Electrical Specifications	
Impedance, Ω	50
Frequency Range, GHz	2.5
3rd Order IMD, dBc	≤ 158
RF Operating Voltage, Vrms	≤ 884
DC Test Voltage, V	2500

Continuance

Inner Contact Resistance, m Ω	≤0.80
Outer Contact Resistance, m Ω	≤1.50
Insulation Resistance, M Ω	≥10000
Average Power, W	1000@ 900MHz
Peak Power, kW	≤15.6
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