



Product.

## FCCC 7/16 straight din female connector for 1/2" LCF feeder cable

Prod No.

FC-1117

### Application and Properties:

The FCCC 1/2-7/16 straight connector for 1/2" LCF feeder cable is series 7/16 RF coaxial connector, characteristic impedance is 50Ω and is connected to 1/2" LCF feeder cable. The clamp RF coaxial provides superior performance for both return loss and intermodulation distortion.

This 1/2-7/16 female clamp connector is 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

- Inner conductor material is brass and material of outer conductor is brass plating with Tri-Alloy
- Return loss and signal loss are minimal and adaptive with a wide variety of standard feeders
- VSWR<1.15
- Resistance to mechanical shock and vibration
- Excellent mechanical and environmental properties
- IP68 protection
- Excellent electrical conductivity
- Compliant with DIN, IEC, MIL-STD, RoHS, and etc

### - Technical Specification

Materials Specifications	
Housing	Brass plating with Tri-Alloy
Insulator	PTFE
Center Conductor	Phosphor bronze plating with Silver
Other Metal Parts	Brass
Electrical Specifications	
Impedance, Ω	50
Frequency Range, GHz	2.5
3rd Order IMD, dBc	≤-155
RF Operating Voltage, Vrms	≤884
DC Test Voltage, V	2500
Inner Contact Resistance, mΩ	≤0.80
Outer Contact Resistance, mΩ	≤1.50

## Continuance

Insulation Resistance, M $\Omega$	≥10000
Average Power, W	1000@ 900MHz
Peak Power, kW	≤15.60
VSWR	≤1.15 @0.8~2.5GHz
Insert Loss, dB	≤0.08
Shielding Effectiveness, dB	110
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