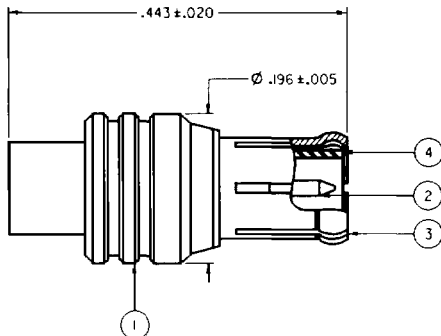


133-3693-001  
133-3393-006

# MCX Straight Semi-Rigid Plug



CECC 22220 Compatible

- 30% Smaller Than SMB
- Rugged Snap-on Mating Design

Part Number	Item 1 Body	Item 2 Contact	Item 3 Interface	Item 4 Insulator
133-3693-001	Brass Gold pl. .00001 min over Nickel pl. .00005 min over Copper pl. .00005 min	Brass Gold pl. .00003 min over Nickel pl. .00005 min over Copper pl. .00005 min	Beryllium Copper Gold pl. .00003 min over Nickel pl. .00005 min over Copper pl. .00005 min over	Teflon
133-3693-006	Brass Nickel pl. .0001 min over Copper pl. .00005 min	Brass Gold pl. .00003 min over Nickel pl. .00005 min over Copper pl. .00005 min	Beryllium Copper Nickel pl. .0001 min over Copper pl. .00005 min	Teflon

### Specifications:

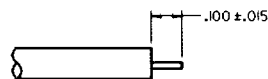
Impedance: 50 Ohms  
Frequency Range: 0-6 GHz  
VSWR: 1.13 + .04F max (F in GHz)  
Working Voltage: 335 Vrms at sea level  
Insulation Resistance: 10000 megohm min  
Dielectric Withstanding Voltage: 1000 Vrms min at sea level  
Contact Resistance:  
Center Contact - Initial 5 milliohm max, after environmental 8 milliohm max  
Outer Conductor - Gold plated initial 1 milliohm max, after environmental 1.5 milliohm max  
Nickel plated initial 2.5 milliohm max, after environmental 3.5 milliohm max  
Body To Cable - Gold plated initial 1 milliohm max, after environmental not applicable  
Nickel plated initial 2.5 milliohm max, after environmental not applicable  
Corona Level: 250 volts minimum at 70,000 feet  
Insertion Loss: .1 dB max at 1 GHz  
RF Leakage: -70 dB at 2.5 GHz  
RF High Potential Withstanding Voltage: 670 Vrms at 4 and 7 MHz

### Mechanical:

Engage/Disengage Force: 3.4 lbs max engagement  
5 lbs typical disengagement  
Cable Acceptability: RG 405, .086 diameter semi-rigid  
Cable Retention: 16 oz min torque, 30 lbs min axial force  
Durability: 500 cycles min

### Environmental:

(Meets or exceeds the applicable paragraph of MIL-C-39012)  
Thermal Shock: MIL-STD-202, Method 107, Condition F  
Operating Temperature: -65 deg C to 165 deg C  
Corrosion: MIL-STD-202, Method 101, Condition B  
Shock: MIL-STD-202, Method 213, Condition B  
Vibration: MIL-STD-202, Method 204, Condition B  
Moisture Resistance: MIL-STD-202, Method 106



### Cable Strip Dimensions