

Description: 13J Series, Per CCWC 22 220, Non-Magnetic

MATERIALS

BODIES

Plug: Non-Magnetic Brass

Receptacle: Non-Magnetic Brass

CONTACTS

Male Contact: Non-Magnetic Brass Or Beryllium Copper Per ASTM B196

Female Contact: Beryllium Copper Per ASTM B196

Residual Magnetism < 1.0000 mu

INSULATORS

Virgin Teflon (PTFE) Per ASTM D1710

PLATING

Gold Per MIL-DTL-45204 (Electro Deposited)

Copper Per SAE AMS 2418 (Electro Deposited)

FINISH (Ending Letter of Part Number)

Bodies: .000020" Min. Gold Over Copper

Contacts: .000030" Min. Gold Over Copper

Other Metal Parts: Gold Plated To Meet The Environmental Requirements

MATING CHARACTERISTICS

Bodies: Conforms To CECC 22 220 Standards

Contacts: Conforms To BS EN 122340 Standards

Engagement: 89.6 oz. (5.6 lbs.) Max.

Disengagement: 28.8 oz. (1.8 lbs.) Min./72 oz. (4.5 lbs.) Max.

ELECTRICAL

Frequency Range: DC To 6 GHz

Voltage Rating Straight: 335 VRMS

Insulation Resistance: 1000 Megohms Min.

Insertion Loss: 0.1√Max. f(GHz) dB

Impedance: 50 Ohms

Contact Resistance: Center Contact 5.0 Milliohms

Contact Resistance: Outer Contact 2.5 Milliohms

Corona Level: 70,000 ft.- 185 Volts (RG-178), 250 Volts (RG-316)

DWV: 1000 VRMS

RF High Potential: 600 VRMS Min. @ 5 MHz

ENVIRONMENTAL

Operating Temperature: -65°C To +155°C

Vibration: MIL-STD-202, Method 204, Test Condition D

Shock: MIL-STD-202, Method 213, Test Condition A

Thermal Shock: MIL-STD-202, Method 107, Test Condition C

Durability: 500 Cycles

Moisture Resistance: MIL-STD-202, Method 106

Corrosion: MIL-STD-202, Method 101, Test Condition B

Temperature Cycling: CECC 22 220 Paragraph 4-6-5

Moisture Resistance: MIL-STD-202, Method 108A, Condition D

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