

Description: 76 Series, Size 8 PkZ®,75 Ohms

MATERIALS

BODIES

Plug: Brass Per ASTM B16

Receptacle: Brass Per ASTM B16

CONTACTS

Male Contact: Beryllium Copper Per ASTM B196

Female Contact: Beryllium Copper Per ASTM B196

Weather Seal Gasket (Optional): Silicone Rubber Per ZZ-R-765

EMI Gasket (Optional): Beryllium Copper Per ASTM B197

INSULATORS

Virgin Teflon (PTFE) Per ASTM D1710

PLATING

Gold Per MIL-DTL-45204 (Electro Deposited)

Copper Per SAE AMS 2418 (Electro Deposited)

Nickel Per QQ-N-290

FINISH (Ending Letter of Part Number)

A: .000050" Min. Gold Over Nickel

B: .000030" Min. Gold Over Nickel

C: .000050" Min. Gold Over Copper

D: .000030" Min. Gold Over Copper

MATING CHARACTERISTICS

Bodies:

48 oz. (3 lbs.) Max. Insertion

2 oz. (0.125 lbs.) Min. Withdrawal

Contacts:

32 oz. (2 lbs.) Max. Insertion

.5 oz. (0.031 lbs.) Min. Withdrawal

Axial Mating:

.090"

Housing Retention:

192 oz. (12 lbs.) Min.

ELECTRICAL

Frequency Range:

DC To 3 GHz

Voltage Rating Straight:

1000 VRMS

Voltage Rating Angled:

800 VRMS

Insulation Resistance:

2000 Megohms Min.

Insertion Loss:

.06√f(GHz) dB

Impedance:

75 Ohms

Contact Resistance:

Center Contact 5 Milliohms

Contact Resistance:

Outer Contact 3 Milliohms

VSWR:

RG-402 (75 Ohms) 1.08 + .009*f (GHz)

Mini RG-59 1.15 + .020*f (GHz)

RG-59 1.15 + .010*f (GHz)

ENVIRONMENTAL

Operating Temperature:

-55°C To +165°C

Insulation Resistance:

2000 Megohms Post Humidity

Vibration:

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

Shock:

MIL-STD-202, Method 213, Test Condition I

Thermal Shock:

MIL-STD-202, Method 107, Test Condition B, Except High Temperature Shall Be +85°C

Durability:

500 Cycles

Moisture Resistance:

MIL-STD-202, Method 106

Salt Spray:

MIL-STD-1344, Method 1001, Condition B

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