



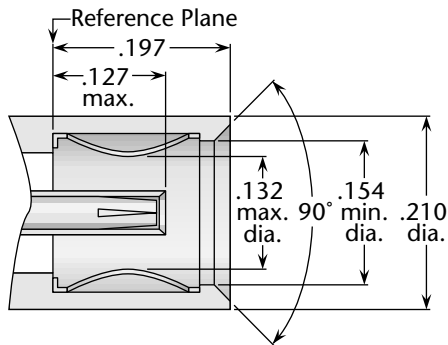
BMMA

Microminiature Connectors

BMMA microminiature connectors combine a mechanically rugged design with excellent electrical performance at high frequency. They are ideal for use in blind-mate, rack-and-panel applications.

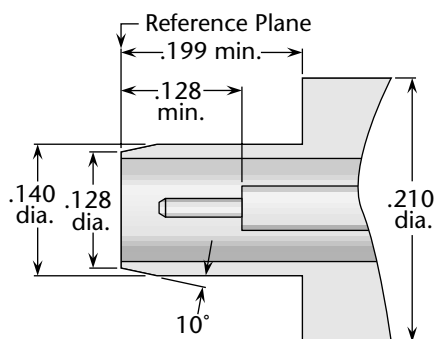
BMMA Interfaces and Specifications*

Jack Interface**



**Some proportions altered to illustrate detail. Dimensions in inches.

Plug Interface**



**Some proportions altered to illustrate detail. Dimensions in inches.

Electrical:

Nominal Impedance: 50 ohms.

Frequency Range: DC–28 GHz.

VSWR: 1.05: +.01f (GHz).

Attenuation: .040 $\times \sqrt{f}$ (GHz).

Dielectric Withstanding Voltage: 675 volts RMS.

Insulation Resistance: 5,000 megohms.

Contact Resistance: Center contact, 6.0 milliohms max;

Outer contact, 3.0 milliohms max; Outer contact to cable, .5 milliohms max.

RF Hipot: 675 volts RMS @ 5 MHz.

RF Leakage: $-(90-f)(\text{GHz})$ dB Min. (Interface only, fully mated.)

Mechanical:

Force to Engage: 48 ounces max.

Force to Disengage: 1.5 pounds max.

Durability: 5,000 mating cycles.

Materials/Finishes:

Insulators: Teflon per ASTM D1710.

Contacts: Beryllium Copper per ASTM B196.

Contact Plating: Gold per MIL-G-45204.

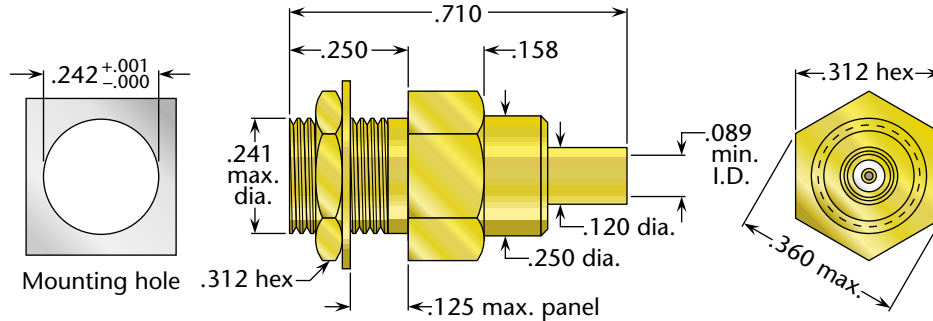
O-Rings: Fluorosilicone rubber per AMS-R-25988, Type I, 70A.

Other Metal Parts: Stainless steel per ASTM A582, passivated.

*These specifications are typical and may not apply to all connectors. Detailed specifications for individual connectors are available on request.

Bulkhead Jack—Direct Solder for Semi-Rigid Cable

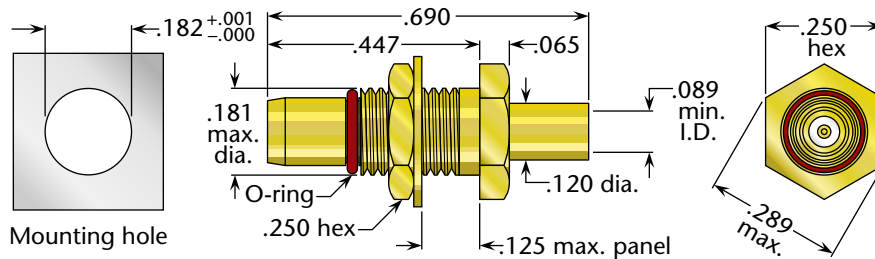
For .085" semi-rigid cable RG-405; M17/133



Delta P/N **4216-025-G911**

Bulkhead Plug—Direct Solder for Semi-Rigid Cable

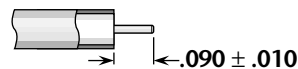
For .085" semi-rigid cable RG-405; M17/133



Delta P/N **4224-025-G911**

Assembly Procedure

- 1) Trim cable as shown.
Chamfer or radius end of center conductor.
Remove any burrs from jacket and center conductor.



- 2) Insert cable into body until end of cable jacket stops against internal shoulder.
Solder cable jacket to body.

