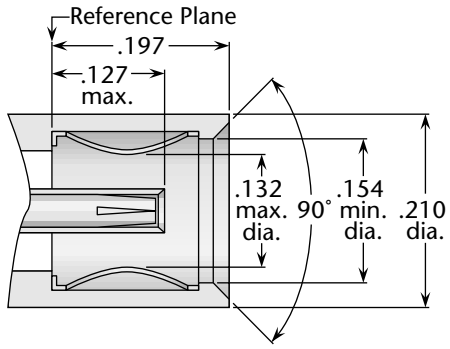
BMMA Microminiature Connectors

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.

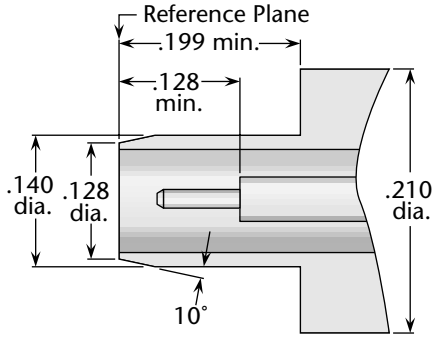
BMMA Interfaces and Specifications*

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 x $\sqrt{f}$ (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)(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.

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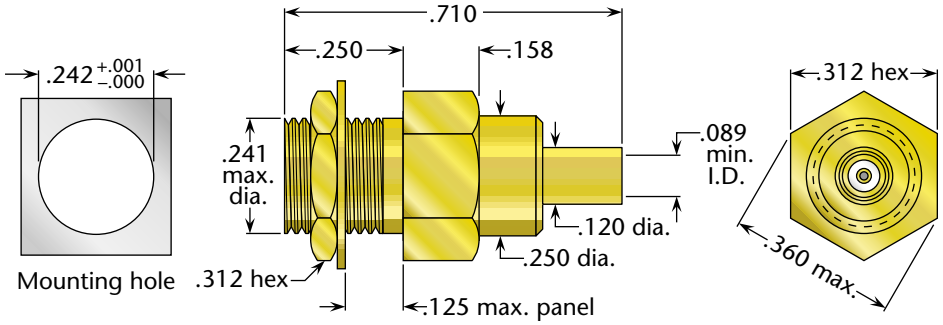
ISO 9001:2008 Certified

Bulkhead Jack—Direct Solder for Semi-Rigid Cable

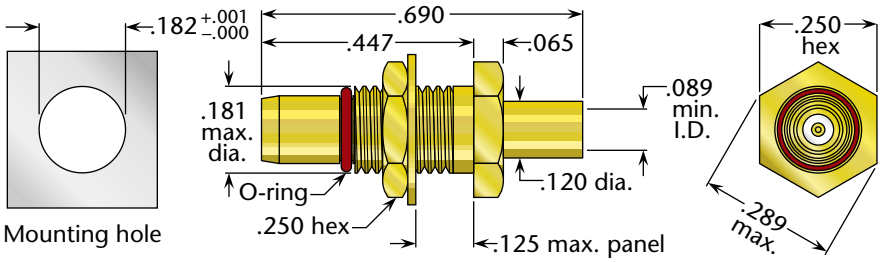
For .085" semi-rigid cable RG-405; M17/133



Delta P/N 4216-025-G911

Bulkhead Plug—Direct Solder for Semi-Rigid Cable

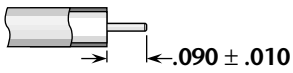
For .085" semi-rigid cable RG-405; M17/133



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.