

BMA Connector

PMM-S01-000

www.gigalane.com



GigaLane BMA Connectors offer you precise mating and excellent VSWR performance through 18 GHz. They are designed based on MIL standard and are ideally suited for communication base station equipment, rack-and-panel applications with appropriate float-mounted jacks, building block systems such as radar.

► Specification

Electrical

| | |
|--|------------------------|
| Frequency | DC to 18 GHz |
| Impedance | 50 Ω |
| VSWR | 1.3 : 1 typical |
| Insulation Resistance | 5000 MΩ |
| Dielectric Withstand Voltage | 1000 Vrms Max |
| Contact Resistance - Outer Conductor - Inner Conductor | 2mm Ω max 3mm Ω max |
| Insertion Loss | 0.3 dB max (@ 18 GHz) |
| RF Leakage | -90 dB @ 18GHz |

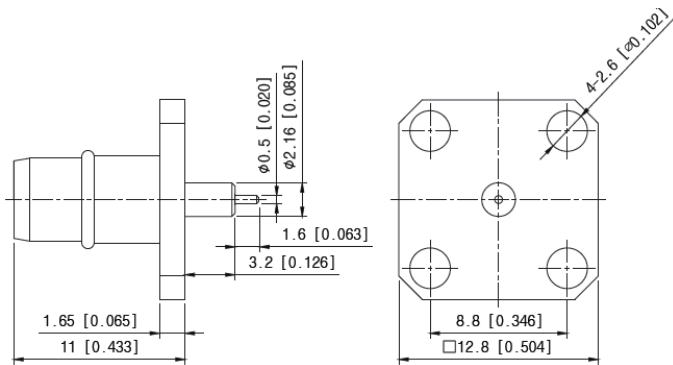
Environmental

| | |
|------------------------|---|
| Temperature | - 40℃ to + 125℃ |
| Thermal Shock | MIL-STD-202, Method 107, Condition B |
| Corrosion (salt Spray) | MIL-STD-202, Method 101, Condition B, 5% salt |
| Shock | MIL-STD-202, Method 213, Condition I |
| Vibration | MIL-STD-202, Method 204, Condition D |
| Moisture Resistance | MIL-STD-202, Method 106 |

Materials

| | |
|-----------------|---|
| Body | Beryllium Copper (Passivated) Brass (Gold Plated) |
| Center Contract | Beryllium Copper (Gold Plated) Brass (Gold Plated) |
| Insulator | PTFE |

► Drawing



| | |
|----------|-------------|
| Part No. | PMM-S01-000 |
| Type | Panel Mount |
| Gender | Male |