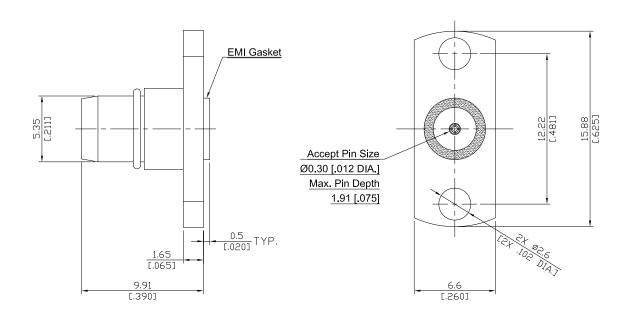


## Technical Data Sheet

BMA Plug (Male) Slide-On Field Replaceable Connector 2 Hole Flange Mount 0.30 mm [.012 inch] Accept Pin With EMI Gasket DC-22GHz, VSWR1.25

# BMA1BT50-0012A-EMI / 9X



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

#### Interface According to

IEC 61169-33

MIL-STD-348B/321

### Electrical Data

Impedance Frequency VSWR (Return Loss) Insertion Loss

Insulation Resistance Center Contact Resistance Outer Contact Resistance Test Voltage (at sea level) Working Voltage (at sea level)

50 Ω DC to 22 GHz ≤ 1.25 (≥ 19.08 dB) ≤ 0.05 x √F (GHz) dB

≥ 5 GΩ  $\leq 2.0 \; \text{m}\Omega$  $\leq 2.0~\text{m}\Omega$ 

1000 V rms 400 V rms

### Material And Platina

| Piece Parts       | Material                                       | Plating   |  |
|-------------------|--|---|--|
| Centre contact    | Beryllium Copper                               | Gold plating, 3 µinch                                   |  |
|                   |  | (Non-magnetic nickel-phosphorus underplating, 80 µinch) |  |
| Body              | Stainless Steel                                | Passivated  |  |
| Body<br>Insulator | PTFE   |   |  |
| Gasket            | Silicone Rubber Conductive Silicone Elastomers |   |  |
| EMI Gasket        |  |   |  |
|                   |  |   |  |

|  | The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. | l Kev.:-  | Rosnol RF/Microwave Technology Co., Ltd.<br>www.rosnol.com; info@rosnol.com | Page |  |
|--|--|-----------|---|------|--|
|  | In the effort to improve our products, we reserve the right to make changes  | Date:     | Phone: +886-3-463-5095 / Fax: +886-3-463-5952                               | 1/2  |  |
|  | Juaged to be necessary.  | 12///2021 | N-CAGE Code: SFKK0 / ISO9001 Certified                                      | ĺ    |  |



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### Mechanical Data

Coupling Mechanisms Slide-On Mating Cycles ≥ 1000 Center Contact Captivation ≥ 27 N Engagement Force ≤ 13.5 N ≥ 2.0 N Disengagement Force

#### Environmental Data

Temperature Range Thermal Shock Corrosion Resistance Vibration Shock Moisture Resistance Max. Soldering Temperature **RoHS** Packing

-65°C to +165°C

MIL-STD-202, Meth. 107, Cond. B MIL-STD-202, Meth. 101, Cond. B MIL-STD-202, Meth. 204, Cond. D MIL-STD-202, Meth. 213, Cond. I MIL-STD-202, Meth. 106 IEC 61760-1, +260 °C for 10 sec.

compliant

Single or 100