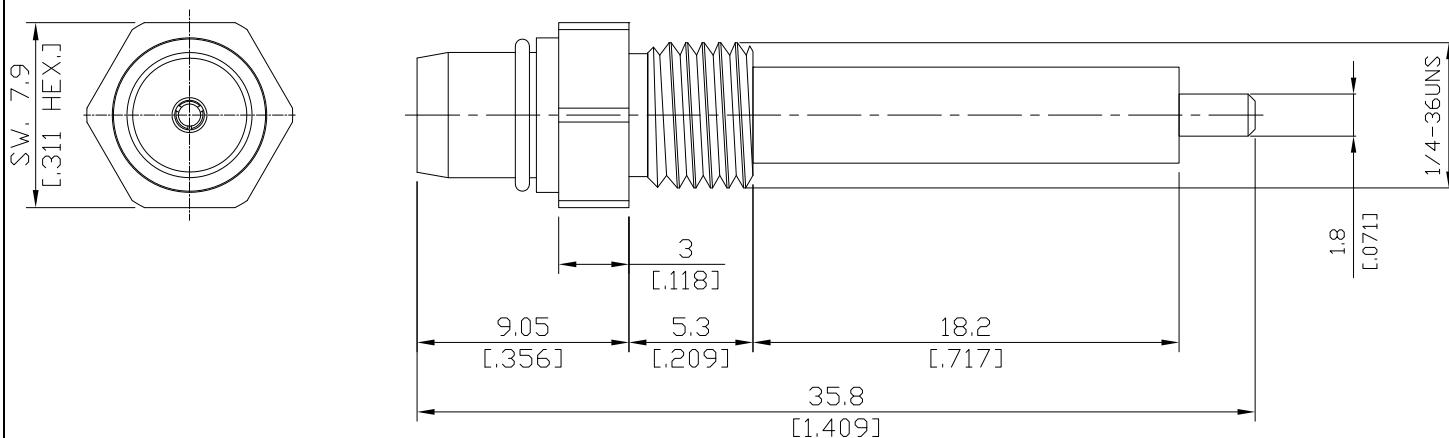


BMA Plug (Male) Slide-On Field Replaceable Connector  
1.8 mm [.071 inch] Accept Pin With EMI Gasket DC-8GHz, VSWR1.02

## BMA1BF50-0071A-3580 / 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	50 Ω
Frequency	DC to 8 GHz
VSWR (Return Loss)	≤ 1.02 (≥ 40.1 dB)
Insertion Loss	≤ 0.03 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Dielectric withstanding voltage	1500 V rms
Power handling	100 W
Test Voltage (at sea level)	1000 V rms
Working Voltage (at sea level)	400 V rms

### Material And Plating

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

BMA Plug (Male) Slide-On Field Replaceable Connector  
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## BMA1BF50-0071A-3580 / 9X

### Mechanical Data

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

### Environmental Data

Temperature Range	-65 °C to +165 °C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion Resistance	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
Max. Soldering Temperature	IEC 61760-1, +260 °C for 10 sec.
RoHS	compliant

### Packing

Single or 100