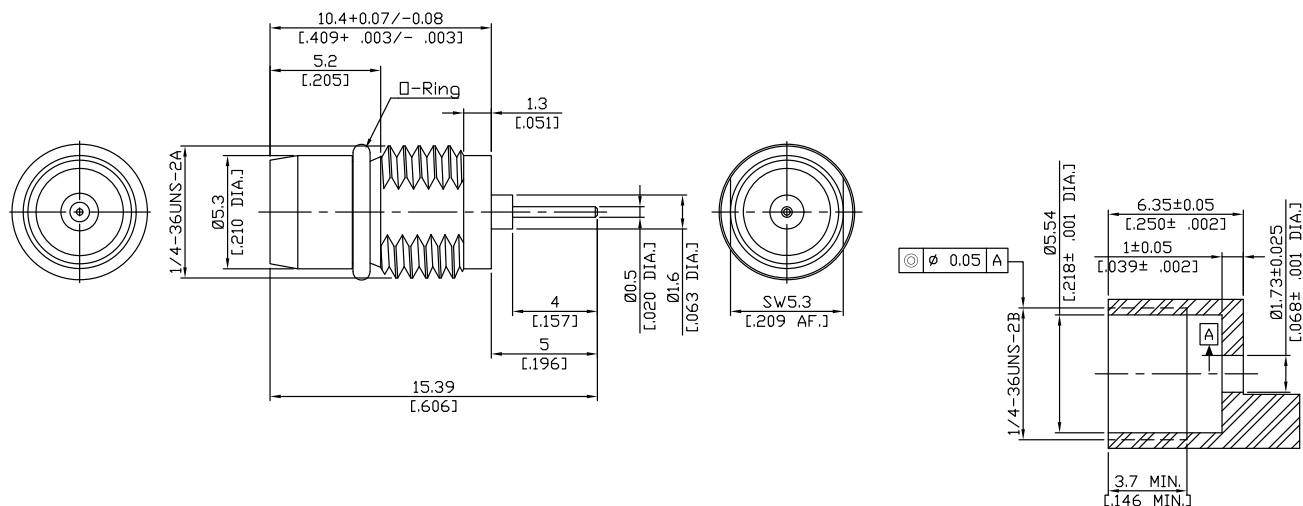


BMA Plug (Male)Panel Feedthru- Threaded Type
DC-22 GHz VSWR1.25

BMA1FA50-1539A / 9X



RECOMMENDED PANEL DRILLING

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

Mechanically compatible with

According to

OSP and BMA

MIL-PRF-31031;MIL-STD-348A/328-2

Electrical Data

Impedance

 $50\ \Omega$

Frequency

DC to 22 GHz

VSWR (Return Loss)

 ≤ 1.25 (≥ 19.08 dB)

Insertion Loss

$$\leq 0.04 \times \sqrt{F \text{ (GHz)}} \text{ dB}$$

Dielectric Withstanding Voltage

1000 V_{rms}

Center Conduct Resistance

 $\leq 2 \text{ m}\Omega$

Outer Conduct Resistance

 $\leq 2 \text{ m}\Omega$

-VSWR in application depends decisive on PCB layout or cavity design-

Material And Plating

Piece Parts (BMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating(Nickel underplated)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rev.:-

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SEP/24/2024

N-CAGE Code: SFKK0 / ISO9001 Certified

Page

 $1/2$

BMA Plug (Male) Panel Feedthru- Threaded Type
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Mechanical Data

Coupling Mechanisms	Slide-on
Mating Cycles	≥ 1000
Center Contact Captivation	≥ 27 N
Engagement Force	≤ 13.5 N
Disengagement Force	≥ 2 N

Environmental Data

Temperature Range	-65°C to +125°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
RoHS	compliant

Packing

Single or 100