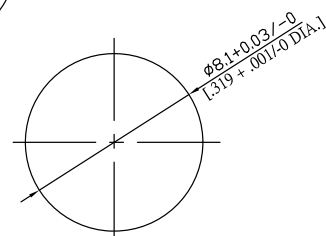
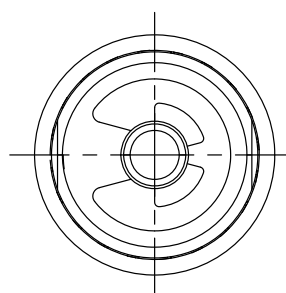
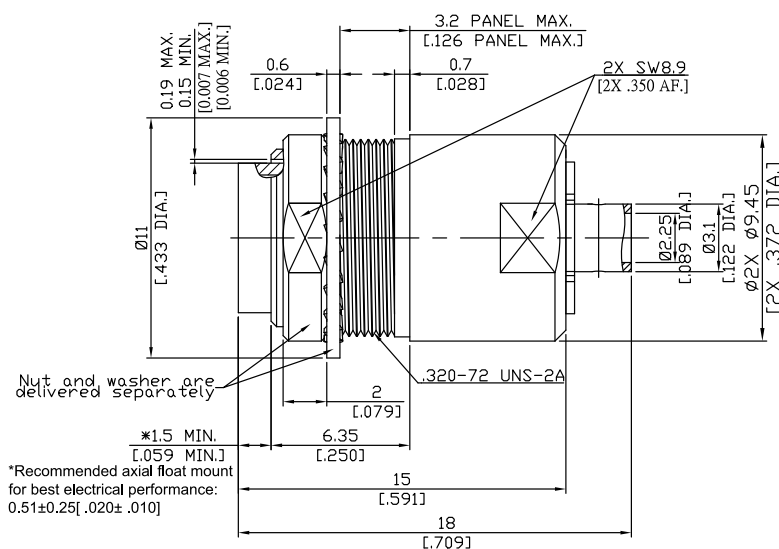


BMA SOLDER FOR BULKHEAD JACK(Female)
DC-18 GHz VSWR1.25

BMA2EA50-0085C / 944



RECOMMENDED MOUNTING HOLE

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 18 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 cable assembly process-

Material And Plating

Piece Parts (BMA)	Material	Plating
Centre contact	Beryllium Copper	Gold plating, Nickel underplated Gold plating, Without Nickel underplated
Body	Brass	Copper-Tin-Zinc Alloy
Insulator	PTFE	
Fastening nut	Brass	Copper-Tin-Zinc Alloy

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:-

Date:
SEP/24/2024

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Page

 $1/2$

BMA SOLDER FOR BULKHEAD JACK(Female)
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Mechanical Data

Coupling Mechanisms	Slide-on
Mating Cycles	≥ 1000
Centre contact	Soldered
Cable entry	Soldered
Center Contact Captivation	≥ 27 N
Engagement Force	≤ 13.5 N
Disengagement Force	≥ 2 N
Misalignment	radial 0.55 mm min.
Spring force	min. 5.6 N at rest max. 19 N at max. spring travel

Environmental Data

Temperature Range	-55°C to +105°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

Suitable Cables

Semi-Rigid .085

Packing

Single or 100