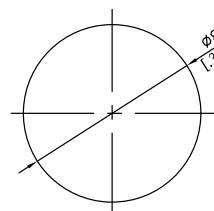
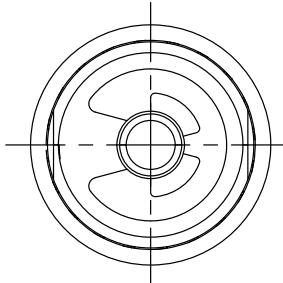
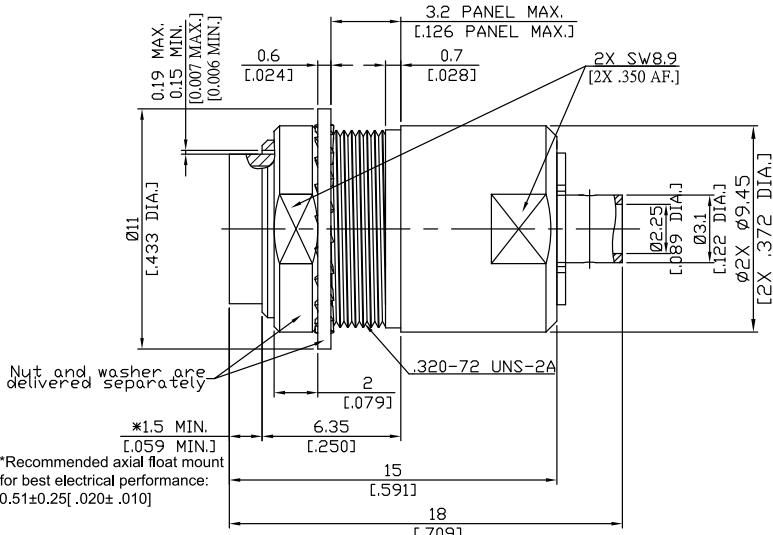


BMA SOLDER FOR BULKHEAD JACK(Female)  
 DC-18 GHz VSWR1.25

**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 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.25 (≥ 19.08 dB)

Insertion Loss

≤ 0.04 x √F (GHz) dB

Dielectric Withstanding Voltage

1000 Vrms

Center Conduct Resistance

≤ 2 mΩ

Outer Conduct Resistance

≤ 2 mΩ

-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.:-

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N-CAGE Code: SFKK0 / ISO9001 Certified

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

## BMA2EA50-0085C / 944

## 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