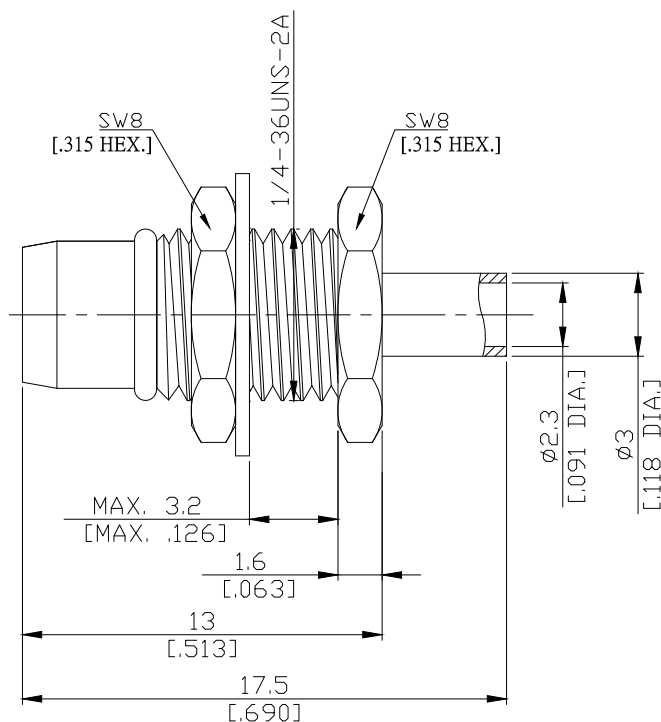
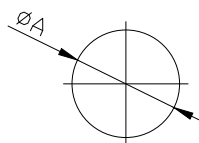


BMA Plug (Male) Bulkhead Connector Solder Attachment .085, RG-405 Cable
DC-18 GHz VSWR1.25

BMA1EA50-0085A / 9X



Mounting Dimensions



	mm		inch	
	Max.	Min.	Max.	Min.
A	6.4	6.3	0.252	0.248

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 18 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.08 dB)
Insertion Loss	≤ 0.05 × √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 2.0 mΩ
Outer Contact Resistance	≤ 2.0 mΩ
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	

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:
12/7/2021

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified

Page

1/2

BMA Plug (Male) Bulkhead Connector Solder Attachment .085, RG-405 Cable
DC-18 GHz VSWR1.25

BMA1EA50-0085A / 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
RoHS	compliant

Packing

Single or 100