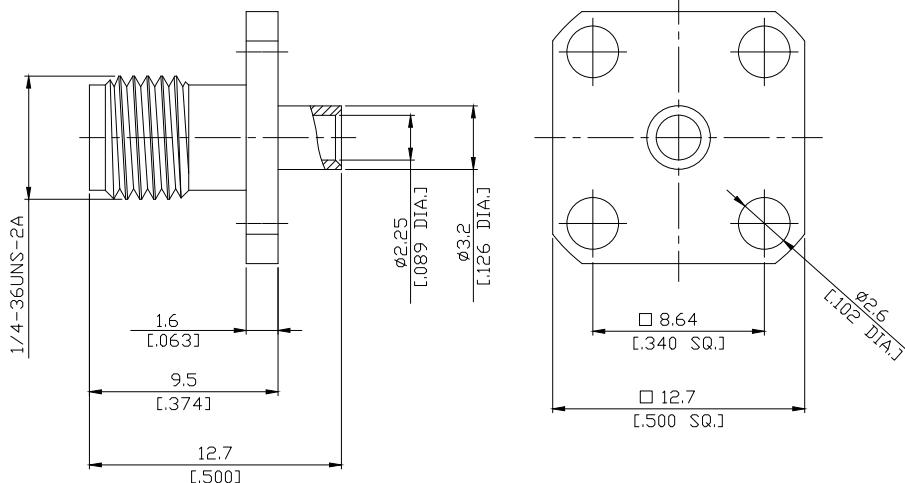
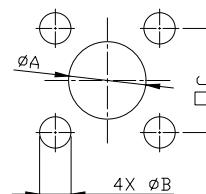


**SMA Jack (Female) Connector Solder Attachment .085, 4 Hole Flange Mount  
, 8.64 (.340 inch) Hole Spacing DC-18GHz VSWR1.25**

## SMA2EBF50-EZ085A / 9X



Mounting Dimensions



	mm	inch		
	Max.	Min.	Max.	Min.
A	3.4	3.3	0.134	0.130
B	2.8	2.7	0.110	0.106
C	8.69	8.59	0.342	0.338

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 61169-15

MIL-STD-348B/310

### 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
Insulation Resistance	≥ 5 GΩ
Center Contact Resistance	≤ 3 mΩ
Outer Contact Resistance	≤ 2 mΩ
Test Voltage	1000 V rms
Working Voltage	480 V rms
Power handling (at 20 °C, sea level)	≤ 200 W @ 2 GHz

- Limitations are possible due to the used cable type -

### 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	
Ferrule	Stainless Steel	Passivated

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.: 1.0

Date:  
12/7/2020

Rosnol RF/Microwave Technology Co., Ltd.  
[www.rosnol.com](http://www.rosnol.com); [info@rosnol.com](mailto:info@rosnol.com)

Phone: +886-3-463-5095 / Fax: +886-3-463-5952  
 N-CAGE Code: SFKK0 / ISO9001 Certified

Page

1/2

SMA Jack (Female) Connector Solder Attachment .085, 4 Hole Flange Mount  
, 8.64 (.340 inch) Hole Spacing DC-18GHz VSWR1.25

## SMA2EBF50-EZ085A / 9X

### Mechanical Data

Coupling Mechanisms	Screw-Lock
Mating Cycles	≥ 500
Coupling Nut Retention	≥ 270 N
Center contact captivation: axial	≥ 20 N
Coupling Test Torque	≤ 1.7 Nm
Recommended Torque	0.9 Nm
Centre Contact	Soldered
Cable Entry	Soldered

### Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	Compliant

### Suitable Cables

.085, .086, RG405 Cable

### Weight

N/A

### Packing

Single or 100