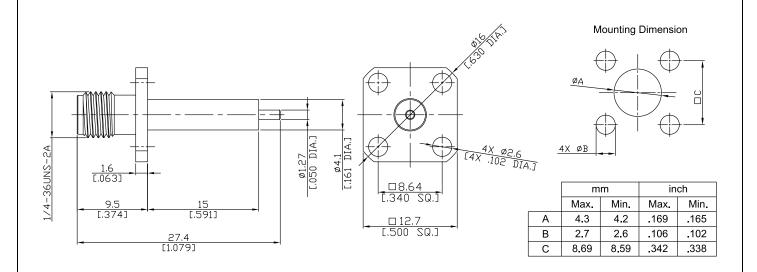


### Technical Data Sheet

SMA jack (female) Connector Solder Attachment 4 Hole Flange Mount Stub Terminal, 8.64mm (.340 inch) Hole Spacing DC-18GHz VSWR1.30

# SMA2GFA50-2740A / 91



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

## Intertace According to

Interface

IEC 60169-15;CECC 22110; MIL-PRF-39012 SMA; MIL-STD-348/310

#### Electrical Data

Impedance

Frequency DC to 18 GHz VSWR (Return Loss)  $\leq 1.30 \ | \geq 17.69 \ | \text{dB} )$  Insertion Loss  $\leq 0.04 \ | \times \sqrt{\text{F (GHz)}} \ | \text{dB}$  Insulation Resistance  $\geq 5 \ | \times 10^3 \ | \text{M}\Omega$  Center Contact Resistance  $\leq 3 \ | \text{m}\Omega$  Outer Contact Resistance  $\leq 2 \ | \text{m}\Omega$ 

50 Ω

Test Voltage 1000 V rms

Working Voltage (at sea level) 480 V rms

Power Handling (at 20 °C, sea level, VSWR 1.0) ≤ 200 W @ 2 GHz

RF-leakage ≥100 dB up to 1 GHz

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

### Material And Plating

Malerial Alia Halling		
Piece Parts	Material	Plating
	Beryllium Copper (N	Gold plating, 3 µinch
Centre contact		(Non-magnetic nickel-phosphorus underplating, 100 µinch)
Body	Brass	Gold plating, 3 µinch
		(Non-magnetic nickel-phosphorus underplating, 100 µinch)
Insulator	PTFE	

The facts and figures herein are carefully compiled to the best of our	L KOV.	Rosnol RF/Microwave Technology Co., Ltd.	Page
knowledge, but they are intended for general informational purposes only.		www.rosnol.com; info@rosnol.com	Ü
In the effort to improve our products, we reserve the right to make changes	1	Phone: +886-3-463-5095 / Fax: +886-3-463-5952	1/2
judged to be necessary.	NOV/4/2024	N-CAGE Code: SFKK0 / ISO9001 Certified	1/2



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## SMA2GFA50-2740A / 91

#### Mechanical Data

Coupling mechanisms Screw-lock ≥ 500 Mating Cycles Centre Contact Soldered Terminal Type Mechanical Captivated Type ≥ 27 N Center Contact Captivation: axial ≥3 Ncm

Coupling Test Torque max. 1.7 Nm Recommended Torque 0.8 Nm to 1.1 Nm

#### Environmental Data

-65°C to +165°C Temperature Range MIL-STD-202, Meth. 107, Cond. B Thermal shock MIL-STD-202, Meth. 101, Cond. B Corrosion Vibration MIL-STD-202, Meth. 204, Cond.D Shock MIL-STD-202, Meth. 213, Cond. I MIL-STD-202, Meth. 106 Moisture Resistance **RoHS** compliant

Packing

Single or 100

Rev.:-