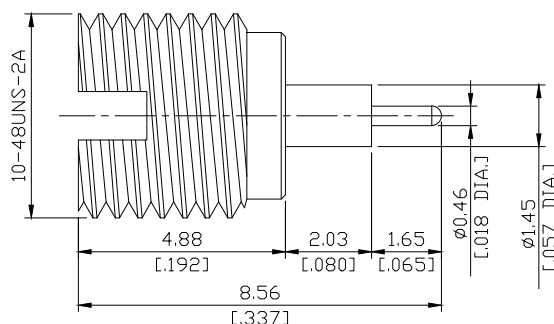
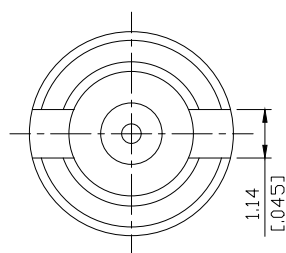
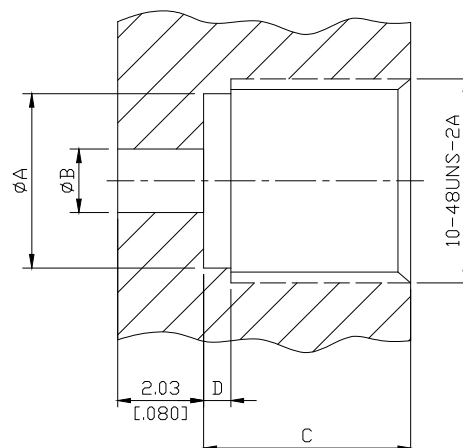


SMP Straight Full Detent Receptacle Jack Round Post Thread-in, DC-40 GHz

SMP1FA50-FD0856A / 9X



Mounting Dimension



	mm		inch	
	Max.	Min.	Max.	Min.
A	4.16	4.14	.164	.163
B	1.53	1.47	.060	.058
C	4.93	4.83	.194	.190
D	0.62	0.60	.024	.023

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

MIL-STD-348B/326

Electrical Data

Impedance

50 Ω

Frequency

DC to 40 GHz

VSWR (Return Loss)

≤ 1.5 (≥ 14 dB)

Insertion Loss

≤ 0.1 x √F (GHz) dB

Insulation resistance

≥ 5 GΩ

Center contact resistance

≤ 6 mΩ

Outer contact resistance

≤ 2 mΩ

Test voltage

500 V rms

Working voltage

335 V rms

Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
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.:-

Rosnol RF/Microwave Technology Co., Ltd.

www.rosnol.com; info@rosnol.com

Date:

Phone: +886-3-463-5095 / Fax: +886-3-463-5952

JUL/16/2021

N-CAGE Code: SFKK0 / ISO9001 Certified

Page

1/2

SMP Straight Full Detent Receptacle Jack Round Post Thread-in, DC-40 GHz

SMP1FA50-FD0856A / 9X

Mechanical Data

Coupling mechanisms	Snap-lock
Mating Cycles	Full Detent ≥ 100
Center contact captivation: axial	≥ 7 N
Engagement force	Full detent: ≤ 68 N
Disengagement force	Full detent: ≥ 22 N

Environmental Data

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

Packing

Single or 100