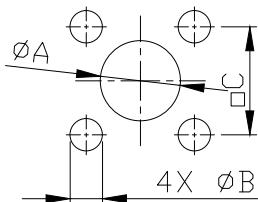


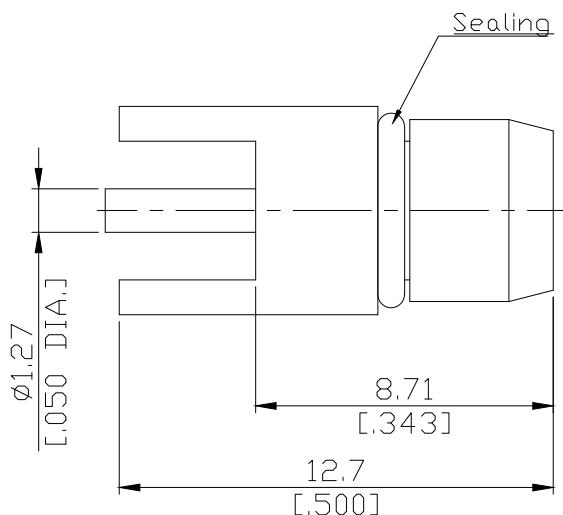
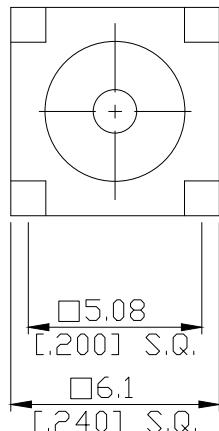
**BMA Plug (male) Connector Solder Attachment
PCB Through Holes Straight, DC-18 GHz, VSWR ≤ 1.3**

BMA1I50-1270A / 1Q

Mounting Dimensions



mm		inch	
Max.	Min.	Max.	Min.
A	1.47	1.37	0.058
B	1.56	1.46	0.061
C	6.15	6.05	0.242
			0.054
			0.057
			0.238



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-33; MIL-STD-348B/321

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

$\leq 1.3 (\geq 17.7 \text{ dB})$

Insertion Loss

$\leq 0.04 \times \sqrt{f} (\text{GHz}) \text{ dB}$

Insulation Resistance

$\geq 5 \text{ G}\Omega$

Test Voltage

1000 V rms

Working Voltage (at sea level)

400 V rms

RF-leakage

85 dB up to 1 GHz

Material And Plating

Connector parts	Material	Plating
Centre contact	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	
Gasket	Silicone Rubber	

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:

JUL/16/2021

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N-CAGE Code: SFKK0 / ISO9001 Certified

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**BMA Plug (male) Connector Solder Attachment
PCB Through Holes Straight, DC-18 GHz, VSWR \leq 1.3**

BMA1I50-1270A / 1Q

Mechanical Data

Coupling mechanisms	Slide-lock
Mating cycles	min. 500
Center contact captivation: axial	≥ 27 N
Board mounting type	Through Holes
Engagement force	≤ 13.5 N
Disengagement force	≥ 2 N

Environmental Data

Temperature Range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	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