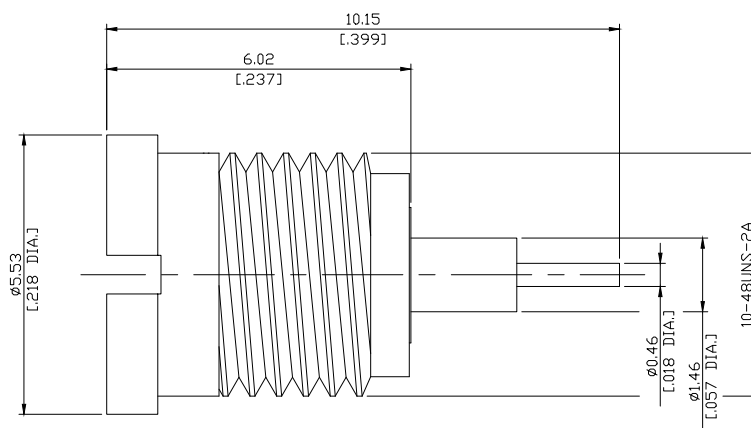
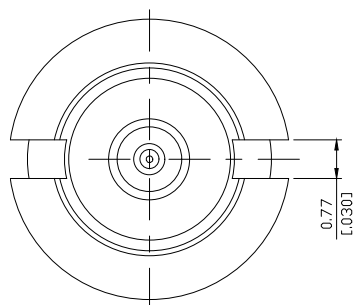




SMP Bulkhead Plug Thread-In Straight Terminal End, DC-40 GHz

SMP1FA50-SB1015A / 9X



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)	≤ 1.15 (≥ 23.1 dB), DC-26.5 GHz
Insertion Loss	≤ 0.04 × √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	
Central Nut	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.:
Date:
JUL/16/2021

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SMP Bulkhead Plug Thread-In Straight Terminal End, DC-40 GHz

SMP1FA50-SB1015A / 9X

Mechanical Data

Coupling mechanisms	Snap-lock
Mating Cycles	Full Detent ≥ 1000
Center contact captivation: axial	≥ 7 N
Engagement force	Full detent: ≤ 9 N
Disengagement force	Full detent: ≥ 2.2 N

Environmental Data

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

Packing

Single or 100