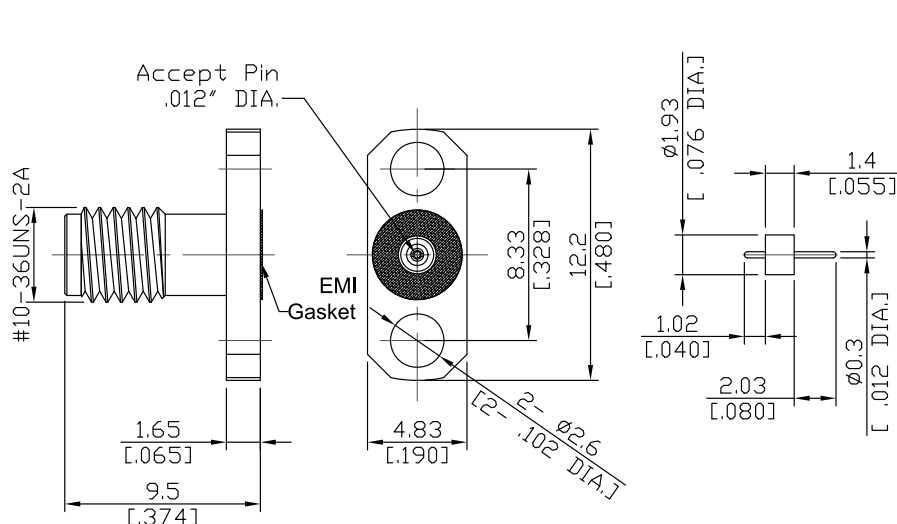
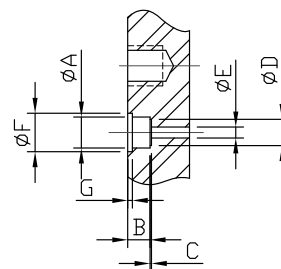


SSMA Jack (Female), 2-Hole Flange Mount, 12.22 mm (.481 in) Hole Spacing, Field-Replaceable, with EMI Gasket, Includes Hermetic Glass-to-Metal Seals, for Ø0.3 mm (.012 in) Pin, DC-46 GHz, VSWR 1.42

HS-SSMA2BT50-0012A-EMI / 9X



Mounting Dimension



	mm		inch	
	Max.	Min.	Max.	Min.
A	6.6	6.5	.079	.078
B	2.7	2.6	.057	.056
C	12.25	12.15	.0035	.0025
D	6.6	6.5	.067	.065
E	6.6	6.5	.028	.027
F	6.6	-	.098	-
G	To be determined by user for type and amount of solder preforms. Surface must be plated to provide a solderable surface.			

All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-23; MIL-PRF-39012; MIL-STD-348B/319; CECC 22160

Electrical Data

Impedance	50 Ω
Frequency	DC to 46 GHz
VSWR (Return Loss)	≤ 1.42 (≥ 15.21 dB)
Insertion Loss	≤ 0.04 × √F (GHz) dB
Insulation Resistance	≥ 10 GΩ
Center Contact Resistance	≤ 6.0 mΩ
Outer Contact Resistance	≤ 2.0 mΩ
Voltage Rating	250 V rms
Dielectric Withstanding Voltage	750 V rms
RF-leakage	≥ 100 dB up to 1 GHz

-VSWR in practical applications depends on the installation process-

Material and Plating

Piece Parts	Material	Plating
Centre Contact	Beryllium Copper	Gold plating (Non-magnetic nickel-phosphorus underplating)
Body	Stainless Steel	Passivated
Insulator	PTFE	
EMI Gasket	Conductive Silicone Elastomers	
Piece Parts (Hermetic Seal)	Material	Plating
Centre Contact	Ferro-Nickel (Kovar)	Gold plating
Body	Ferro-Nickel (Kovar)	Gold plating
Insulator	Corning 7070 Glass	

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:
AUG/24/2026

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HS-SSMA2BT50-0012A-EMI / 9X

Mechanical Data

Coupling Mechanisms	Screw-On
Mating Cycles	≥ 500
Captivated Type	Mechanical
Center Contact Captivation: axial	≥ 27 N
Recommended Torque	0.8 Nm to 0.9 Nm

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. 102, Cond. I
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	Compliant

Packing

Single or 100