High Performance End Launch Connector PSF-S01 Series (End Launch SMA)

www.gigalane.com



GigaLane End Launch SMA Connector is designed for applications such as High Performance RF Circuit Boards. It is attached to RF circuit board by inserting the board edge between legs and soldering legs. It has excellent return Loss up to 26.5 GHz.

Specification

- Position and the second and the se			
Electrical			
Frequency	High performance SMA	DC ~ 26.5 GHz	
Impedance	50 Ω		
VSWR	1.2 : 1 (@18GHz) 1.3 : 1 (@26.5GHz)		
Insulation Resistance	5000 ΜΩ		
Dielectric Withstand Voltage	1000 Vrms max		
Contact Resistance - Outer Conductor - Inner Conductor	2 mΩ max		
Insertion Loss	0.4 dB max (@26.5GHz)		
RF Leakage	-90 dB		
Power Handling	200 W @ 2GHz		
Mechanical			
Mating Cycle (Durability)	500		
Recommended Mating Torque Proof Torque	0.9 ~ 1.13 Nm / 8 ~ 10 lbs 1.7 Nm / 15.0 lbs		
Coupling Nut Retention Force	270 N / 27.7 kfg / 61 lbs		
Center Contact Retention Force	2.6 pound (axial)		
Environmental			
Temperature	-40°C ~ +125°C		
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Temperature	-40°C ~ +125°C
Thermal Shock	MIL-STD-202, Method 107, Test Condition B
Corrosion (salt Spray)	MIL-STD-202, Method 101, Condition B, 5% salt
Shock	MIL-STD-202, Method 213, Condition I
Vibration	MIL-STD-202, Method 204, Condition D
Moisture Resistance	MIL-STD-202, Method 106
Materials	

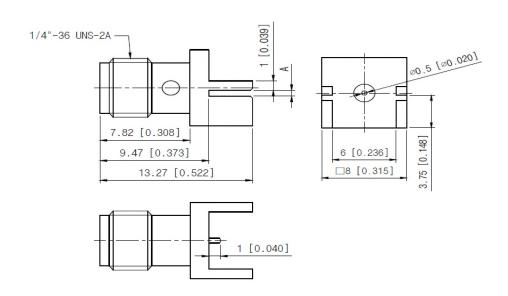
Body	Stainless Steel Brass	Passivated Gold Plated
Center Contact	Beryllium Copper(BeCu) Brass	Gold Plated Gold Plated
Insulator	PTFE	-



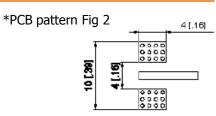
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Drawing



	Unit : mm [inch]
Part Number	A Dia.
PSF-S01-000	0.60 [0.024]
PSF-S01-001	0.80 [0.031]
PSF-S01-002	1.00 [0.039]
PSF-S01-003	1.10 [0.043]
PSF-S01-004	1.20 [0.047]
PSF-S01-005	1.30 [0.051]
PSF-S01-006	1.50 [0.059]
PSF-S01-007	1.60 [0.063]
PSF-S01-008	1.73 [0.068]
PSF-S01-009	2.10 [0.083]
PSF-S01-010	2.25 [0.089]
PSF-S01-011	3.60 [0.142]



Test Result

SMA Connector (P/N: PSF-S01-000~011)

