

# High Performance SMA Connector

## PSF-S03-006 to 013

www.gigalane.com



GigaLane High Performance SMA Connectors are designed for applications up to 26.5 GHz in the common high frequency substrates and it is suitable for military and microwave frequencies.

### ► Specification

#### Electrical

Frequency	DC ~ 26.5 GHz
Impedance	50 Ω
VSWR	1.2 : 1 (@ 18 GHz) 1.3 : 1 (@ 26.5 GHz)
Insulation Resistance	5000 MΩ
Dielectric Withstand Voltage	1000 Vrms Max
Contact Resistance - Outer Conductor - Inner Conductor	2mm Ω max 3mm Ω max
Insertion Loss	0.4 dB max(@26.5 GHz)
RF Leakage	-90 dB
Power Handling	200W (@2 GHz)

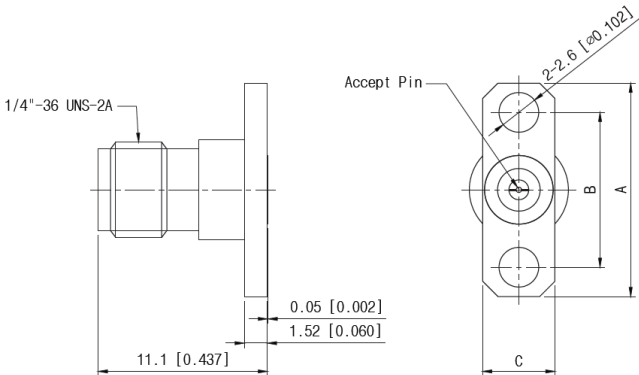
#### Environmental

Temperature	- 40℃ to + 125℃
Thermal Shock	MIL-STD-202, Method 107, 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 (20G)
Moisture Resistance	MIL-STD-202, Method 106

#### Materials

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

### ► Drawing



Unit : mm [inch]

Part No.	DIM L	DIM A	DIM B	DIM C
PSF-S03-006	0.30 [0.012]	14.00 [0.55]	10.20 [0.40]	0.30 [0.012]
PSF-S03-007	0.38 [0.015]	14.00 [0.55]	10.20 [0.40]	0.38 [0.015]
PSF-S03-008	0.46 [0.018]	14.00 [0.55]	10.20 [0.40]	0.46 [0.018]
PSF-S03-009	0.51 [0.020]	14.00 [0.55]	10.20 [0.40]	0.51 [0.020]
PSF-S03-010	0.30 [0.012]	16.00 [0.63]	12.20 [0.48]	0.30 [0.012]
PSF-S03-011	0.38 [0.015]	16.00 [0.63]	12.20 [0.48]	0.38 [0.015]
PSF-S03-012	0.46 [0.018]	16.00 [0.63]	12.20 [0.48]	0.46 [0.018]
PSF-S03-013	0.51 [0.020]	16.00 [0.63]	12.20 [0.48]	0.51 [0.020]