High Performance End Launch Connector
VSF-S00-000-001 (VEREND™ SMA)

www.gigalane.com



GigaLane VEREND™(Vertical-End launch) SMA Connector is designed for applications such as circuit boards for SMD(Surface Mounted Device) and for vertical mounting on RF test boards. It has excellent electrical transition on right angle section up to 18 GHz.

Specification

Electrical

Frequency	DC ~ 18 GHz
Impedance	50 Ω
VSWR	1.2 : 1 (@18GHz)
Insulation Resistance	5000 MΩ
Dielectric Withstand Voltage	1000 Vrms max
Contact Resistance - Outer Conductor - Inner Conductor	 2 mΩ max 3 mΩ max
Insertion Loss	0.3 dB max (@18GHz)
RF Leakage	-90 dB
Power Handling	200 W @ 2GHz

Materials

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

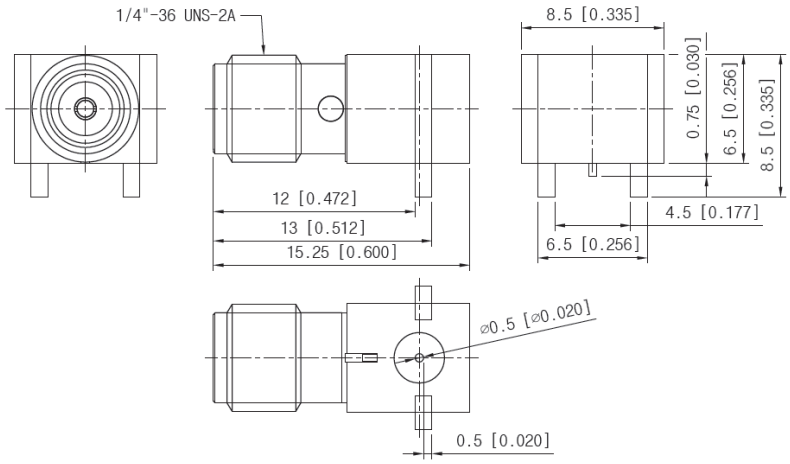
Mechanical

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
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

Drawing



Copyright © GigaLane Co., Ltd.