

PRODUCT SPECIFICATIONS

Straight SMA Plug-TNC Jack Coaxial Adapter

40151101900003(19-31-3 TGN)



Electrical

Impedance	50 Ω
Frequency Range	DC-11 GHz
V.S.W.R	1.12 max.@3GHz 1.2 max.@11GHz
Insertion Loss	0.3 dB max.@3GHz
Voltage Rating	500 volts rms. at sea level
Dielectric Withstanding Voltage	1000 volts rms. at sea level
Insulation Resistance	5000 Megohms min.
Contact Resistance	Center contact = 4.5 Milliohms max. Outer contact = 3.0 Milliohms max.
Power Handling	220W

Mechanical

Mechanical	1/4"-36 Threaded coupling 7/16"-28 Threaded coupling
Durability	500 Cycles
Center contact retention	4 lbs Axial force
Coupling Proof Torque	8 in-lbs min.
Recommended Coupling Torque	3~5 inch-lbs

Material

Connector Body	Brass
Center Contact	Brass
Insulation	PTFE
Gasket	Silicone

Environmental

Temperature	-65°C to 165°C
Vibration	Refer to MIL-STD-202 Method 204 Test Cond. B.
Salt Spray	Refer to MIL-STD-202 Method 101 Test Cond. B.

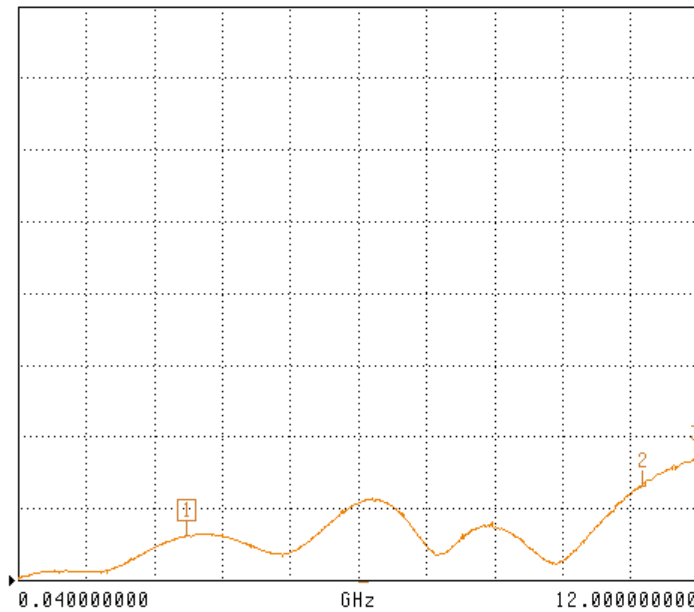
Test Report

S11 FORWARD REFLECTION

SWR

REF=1.000 U

100.000 mU/DIV



CH 1 - S11
0.0000 mm REF
0.000 dB OFFSET
0.00° OFFSET

MARKER 1
3.000100000 GHz
1.061 U

MARKER TO MAX
MARKER TO MIN

2 11.013300000 GHz
1.131 U

3 12.000000000 GHz
1.168 U

MARKER READOUT
FUNCTIONS