

Product Specifications



41SWT

TNC Male for 1/4 in FSJ1-50 cable

CHARACTERISTICS

General Specifications

Interface	TNC Male
Body Style	Straight
Mounting Angle	Straight

Electrical Specifications

Connector Impedance	50 ohm
Operating Frequency Band	0 – 6000 MHz
3rd Order IMD Test Method	Two +43 dBm Carriers
Average Power	0.4 kW @ 900 MHz
Cable Impedance	50 ohm
dc Test Voltage	1500 V
Inner Contact Resistance	1.50 mOhm
Insulation Resistance, minimum	5000 MOhm
Outer Contact Resistance	0.40 mOhm
Peak Power, maximum	5.00 kW
RF Operating Voltage, maximum (vrms)	500.00 V
Shielding Effectiveness	-110 dB
3rd Order IMD	-112 dBm @ 910 MHz

Mechanical Specifications

Connector Retention Tensile Force	450 N 101 lbf
Connector Retention Torque	1 N-m 1 ft lb
Coupling Nut Proof Torque	1.70 N-m 1.25 ft lb
Coupling Nut Proof Torque Method	IEC 169-16:9.3.11
Coupling Nut Retention Force	445.00 N 100.04 lbf
Coupling Nut Retention Force Method	IEC 169-16:9.3.11
Insertion Force	66.72 N 15.00 lbf
Insertion Force Method	IEC 169-16:9.3.5
Interface Durability	500 cycles
Interface Durability Method	IEC 169-4:17
Pressurizable	No

Dimensions

Nominal Size	1/4 in
Height	12.70 mm 0.50 in
Length	114.30 mm 4.50 in
Weight	27.00 g 0.06 lb
Width	76.20 mm 3.00 in

Environmental Specifications

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Corrosion Test Method	IEC 60068-2-11
Mechanical Shock Test Method	IEC 60068-2-27
Moisture Resistance Test Method	IEC 60068-2-3
Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-65 °C to +125 °C (-85 °F to +257 °F)
Thermal Shock Test Method	IEC 60068-2-14
Vibration Test Method	IEC 60068-2-6

Standard Conditions

Attenuation, Ambient Temperature	20 °C 68 °F
Average Power, Ambient Temperature	40 °C 104 °F
Average Power, Inner Conductor Temperature	100 °C 212 °F