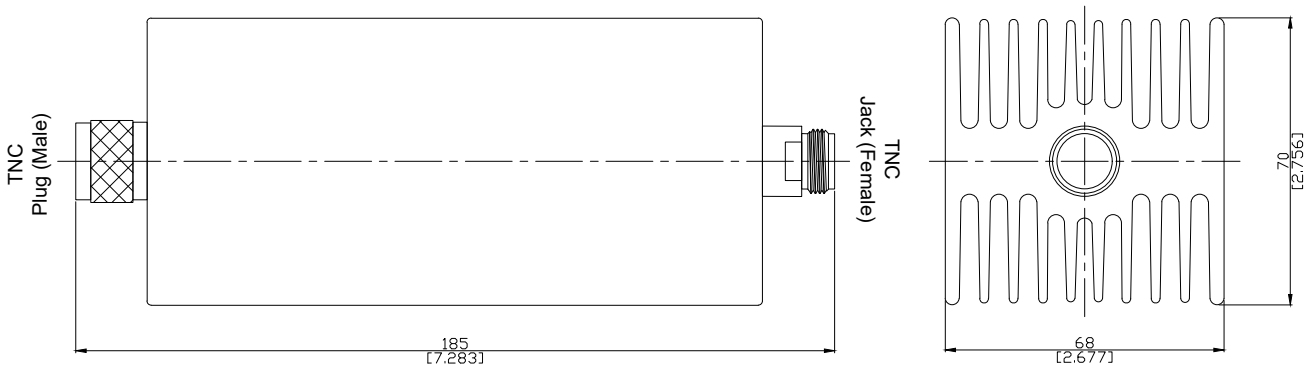
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

Fixed Attenuator TNC Plug (male) / TNC Jack (Female) DC-6 GHz VSWR 1.3

FA-T1T25A-6G150W30 / H33-H3



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	IEC 61169-17;CECC 22 200;MIL-PRF-39012;TNC-Interface MIL-STD-348/313

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR	≤ 1.3 (≥ 17.69 dB)
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Power handling (Watt)	150 Walts average to 25°C

Accuracy Of Attenuation & Power

Nominal Attenuation(dB)	3	6	10	20	30	40
Deviation (± dB)	0.8	0.8	0.8	0.8	0.8	0.8

Material And Plating

Piece Parts (TNC)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Brass	Nickel
Heatsink	Aluminum	Black anodized

Piece Parts (TNC)	Material	Plating
Centre contact	Phosphor Bronze	Gold plating
Body	Brass	Nickel
Insulator	PTFE	

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Mechanical Data	
Coupling Mechanisms	Screw-lock
Mating Cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm
Environmental Data	
Temperature Range	-65°C to +165°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant
Packing	
	Single or 100

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