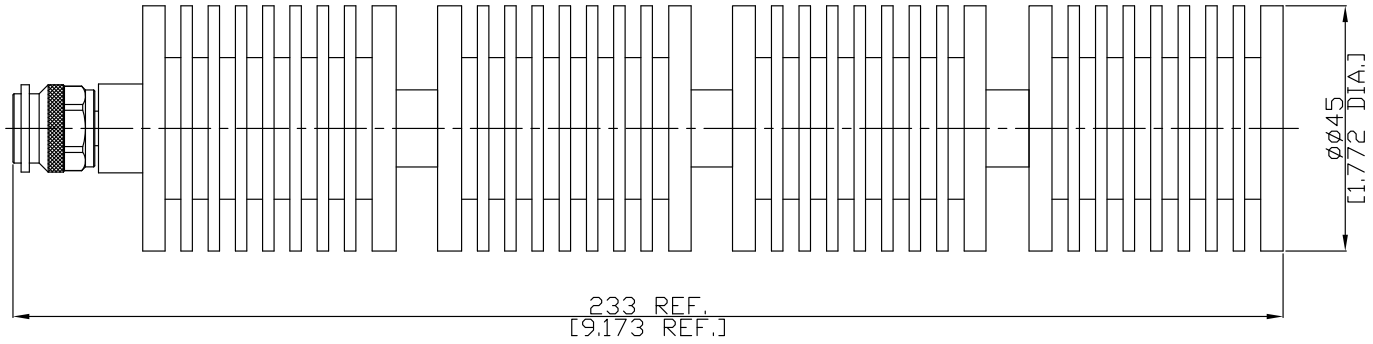
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

100 Watt RF Load Up to 18 GHz With Precision TNC Plug (Male) Input Round Body Black Anodized Aluminum Heatsink

T-PCT15-18G100WA / H33



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 18 GHz
VSWR (Return Loss)	≤ 1.45 (≥ 14.72 dB)
RF Power Rating	100 Watts Average at 25°C

Material And Plating

Piece Parts	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, Nickel underplated
Body	Brass	Nickel
Insulator	PTFE	
Heatsinks	Aluminum	Black
Coupling nut	Brass	Nickel
Heatsinks	Aluminum	Black anodized

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation	≥ 27 N
Coupling Test Torque	max. 1.7 Nm
Recommended Torque	0.46 Nm to 0.69 Nm

Environmental Data

Temperature Range	-55C to +100°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100

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