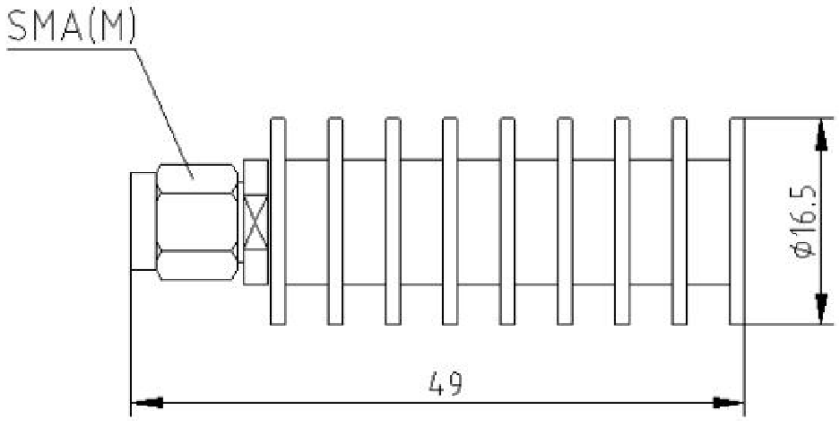
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

20 Watt RF Load Up to 18 GHz With SMA Male Input Black Anodized Aluminum Heatsink DC-18GHz, VSWR 1.25

T-A15-18G20WA / 9XX



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

Interface

According to	IEC 60169-15, MIL-STD-348B/310

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.25 (≥ 19.1 dB)
Average power (at 25°C)	20 W

Material And Plating

Piece Parts (BNC)	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless steel	Passivate
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Stainless steel	Passivate

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N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Nut Retention	N/A
Center Contact Captivation	≥ 20 N
Coupling Test Torque	1.70 Nm max.
Recommended Torque	0.9 Nm

Environmental Data

Temperature Range	-55°C to +125°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 D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100

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