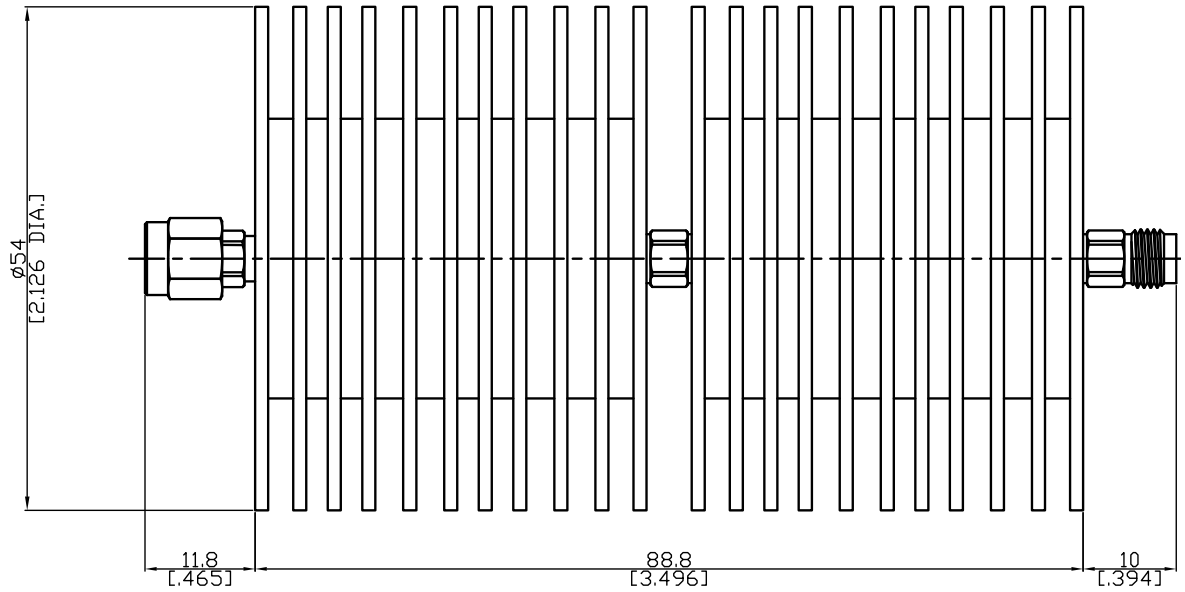
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

Fixed Attenuator 2.92mm Male To 2.92mm Female Up To 40 GHz Rated To 50 Watts With Black Anodized Aluminum Heatsink Body

FA-K1K25A-40G50W20 / 9XX-9X



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

Interface

According to	IEC 61169-35;IEEE Std 287;MIL-STD-348A/323

Electrical Data

Impedance	50 Ω
Frequency	DC to 40 GHz
VSWR (Return Loss)	≤ 1.35(≥ 16.54 dB)
Power handling (Watt)	50 Watts, Average at 25°C

Accuracy Of Attenuation & Power

Nominal Attenuation (dB)	20
Deviation (± dB)	-2.0/+3.0

Material And Plating

Piece Parts	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PEI	
Gasket	Silicone Rubber	
Coupling Nut	Stainless Steel	Passivated
Piece Parts	**Material**	**Plating**
Centre Contact	Beryllium Copper	Gold plating, 3 µinch (Non-magnetic nickel-phosphorus underplating, 80 µinch)
Body	Stainless Steel	Passivated
Insulator	PEI	

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Center Contact Captivation: axial	≥ 20 N
radial	≥ 0.01 Nm
Coupling Test Torque	1.70 Nm max.
Recommended Torque	0.80 Nm to 1.10 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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