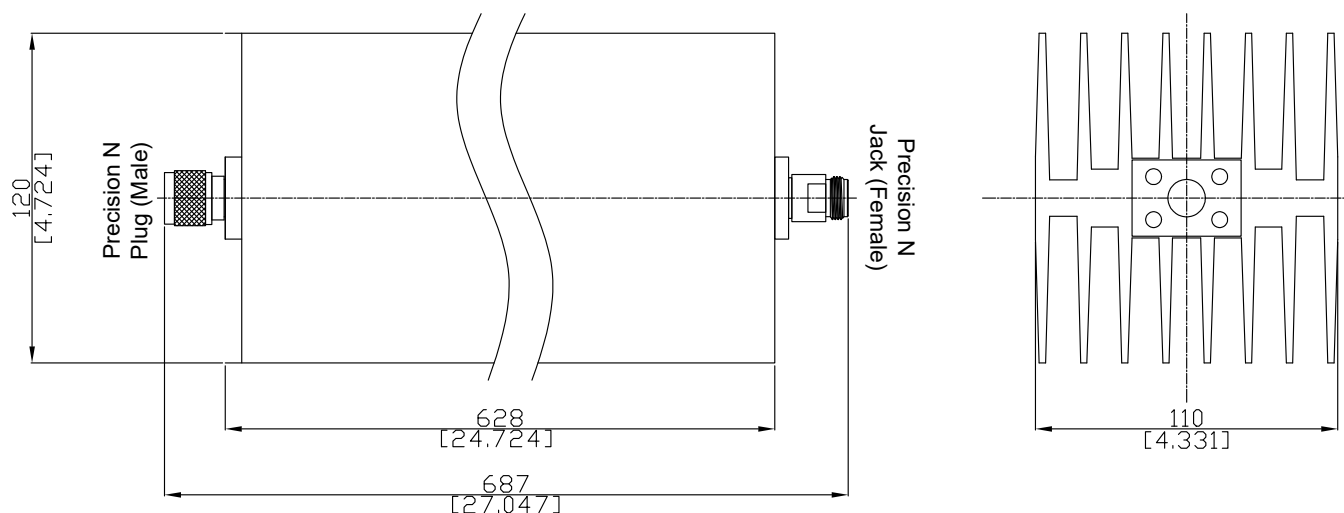


Fixed Attenuator Precision N Male To Precision N Female Up To 18 GHz Rated To 500 Watts

FA-PCN1PCN25A-18G500W40 / 033-03



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-16; MIL-STD-348B/304; CECC 22210

Electrical Data

Impedance

50 Ω

Frequency

DC to 18 GHz

VSWR (Return Loss)

≤ 1.6 (≥ 12.74 dB)

Power Handling

500W corresponds to an ambient temperature of 25°C, when the temperature rises to 125°C, the power decreases linearly to 50W

Accuracy Of Attenuation

Nominal Attenuation(dB)	30	40		
Deviation ($\pm$ dB)	+3.0/-4.0	+2.0/-4.0		

Material And Plating

Piece Parts (Precision N)	Material	Plating
Centre Contact	Brass	Silver
Body	Brass	Nickel
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Brass	Nickel
Piece Parts (Precision N)	Material	Plating
Centre Contact	Brass	Silver
Body	Brass	Nickel
Insulator	PTFE	

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Nut Retention	≥ 450 N
Center Contact Captivation: axial	≥ 28 N
Coupling Test Torque	1.70 Nm max.
Recommended torque	0.7 Nm to 1.1 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 B
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100