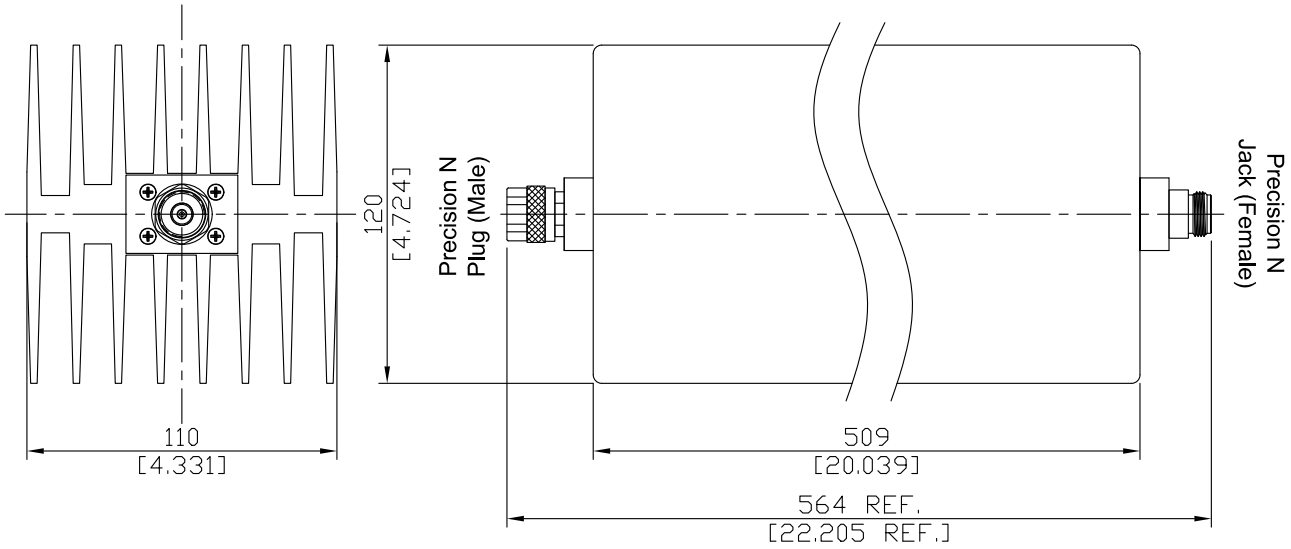
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

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

FA-PCN1PCN25A-18G500W50 / H33-H3



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

Interface

According to	IEC 61169-16; MIL-STD 348B/402; IEEE Std 287; MIL-PRF-39012

Electrical Data

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR (Return Loss)	≤ 1.5 (≥ 13.98 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
Peak Power	5000Watts (5 μSec Pulse Width , 5% Duty Cycle)

Accuracy Of Attenuation

Nominal Attenuation(dB)	50
Deviation (± dB)	2.0

Material And Plating

Piece Parts (Precision N)	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 (Precision N)	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
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 + 100°C
RoHS	compliant

Packing

Single or 100

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