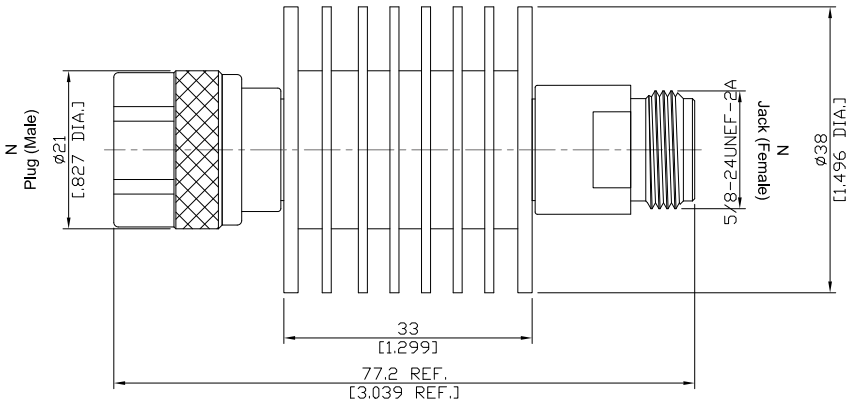
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

20 dB Fixed Attenuator Precision N Plug (Male) to Precision N Jack (Female), DC – 18 GHz, 25 W

FA-PCN1PCN25A-18G25W20 / 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)	≤ 1.4 (≥ 15.56 dB)
Average Power at 25°C	25 W

Accuracy Of Attenuation & Power

Nominal Attenuation (dB)	20
Deviation (± dB)	1.0

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
Heatsinks	Aluminum	Black anodized
Piece Parts (Precision N)	**Material**	**Plating**
Centre Contact	Phosphor Bronze	Gold plating
Body	Brass	Nickel
Insulator	PTFE	

Mechanical Data

Coupling Mechanisms	Screw-On
Mating Cycles	≥ 500
Coupling Nut Retention	≥ 450 N
Center Contact Captivation: axial	≥ 28 N
Coupling Test Torque	max. 1.70 Nm
Recommended Torque	1.0 Nm

Environmental Data

Temperature Range	-55°C to + 125°C
RoHS	Compliant

Packing

Single or 100

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