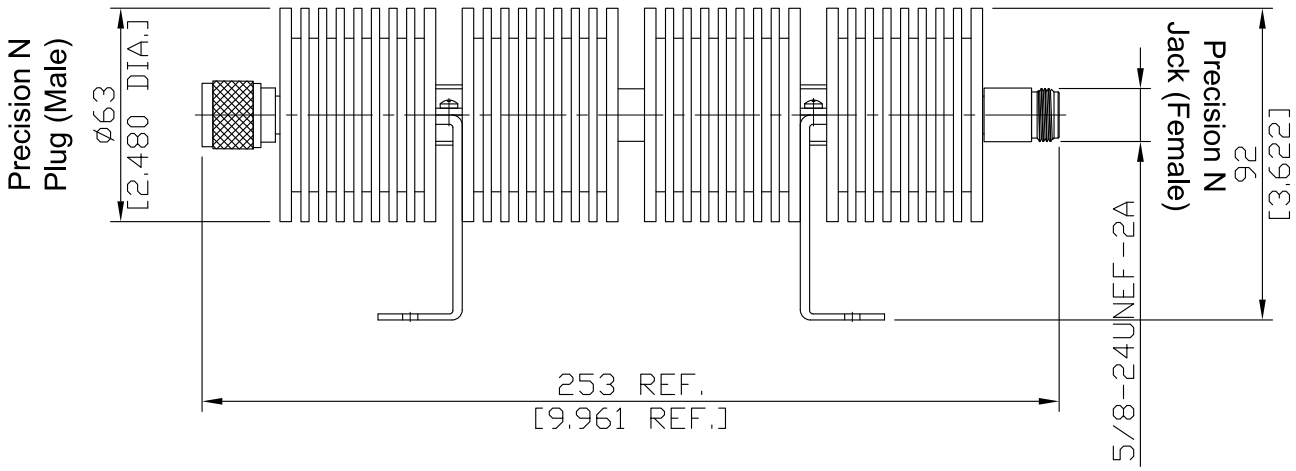
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

20 dB Fixed Attenuator, Precision N Plug (Male) to Precision N Jack (Female), DC–18 GHz, 100 W

FA-PCN1PCN25A-18G100W20 / 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	100 W

Accuracy of Attenuation

Nominal Attenuation(dB)	20
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	

Mechanical Data

Coupling Mechanisms	Screw-On
Mating Cycles	≥ 500
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

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified