



Overview

The 18 GHz N-Type connector series is an expansion of the popular N-Type product line and offers all the same features and benefits with an extended frequency range. These connectors are designed to offer excellent low PIM performance in a reliable medium-sized package. The durable construction makes them ideal for rugged, outdoor applications which require faster data transmission rates.

18 GHz N-Type connectors feature the familiar threaded coupling mechanism for vibration resistance and low VSWR and insertion loss.

Features and Benefits

- Extended frequency range through 18 GHz
- Excellent low PIM Performance
- High power handling
- Ruggedized construction
- Threaded coupling mechanism ideal for vibration resistance

Applications

- Microwave
- Wireless Infrastructure
- Instrumentation
- Radar Systems
- Surge Protection
- Power Amplifiers
- Military
- Industrial

18 GHz N-TYPE CONNECTORS

Extended Frequency Range with Low PIM Performance

Ordering Information

Straight 18 GHz N-Type for RG-402 and 0.141" Semi-Rigid Cable

Part Number	Configuration
082-6671	Straight 18 GHz Bulkhead Jack
082-6672	Straight 18 GHz Jack
082-6673	Straight 18 GHz Plug

Straight 18 GHz N-Type for RG-405 and 0.086" Semi-Rigid Cable

Part Number	Configuration
082-6684	Straight 18 GHz Solder Bulkhead Jack
082-6685	Straight 18 GHz Solder Jack
082-6686	Straight 18 GHz Solder Plug

Panel Mount 18 GHz N-Type

Part Number	Configuration
082-6712-433358	Panel Mount Four-Hole Round Post Jack 0.433 Post, 0.358 PTFE
082-6712-705590	Panel Mount Four-Hole Round Post Jack 0.705 Post, 0.590 PTFE
082-6713-433358	Panel Mount Four-Hole Round Post Plug 0.433 Post, 0.358 PTFE
082-6713-705590	Panel Mount Four-Hole Round Post Plug 0.705 Post, 0.590 PTFE

Amphenol® RF

Technical Specifications

Electrical

Impedance		50 Ω
Frequency Range		DC -18 GHz
VSWR(Return Loss)		1.2 Max @ 18 GHz
Dielectric Withstanding Voltage		1500 VRMSMin
PIM		-166 dBc @ 2X20W
Insulation Resistance		5000 m Ω Min
Contact Resistance	Center Contact	0.2 m Ω
	Outer Contact	0.2 m Ω

Environmental

Temperature Range	-65°C to +165°C
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Mechanical

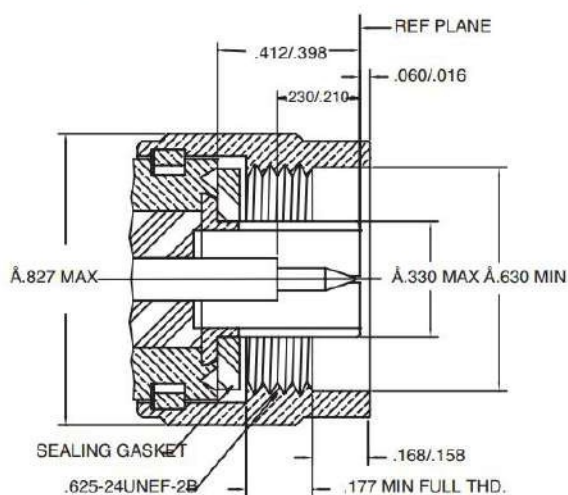
Mating	Threaded
Durability	500 Cycles Min.

Materials

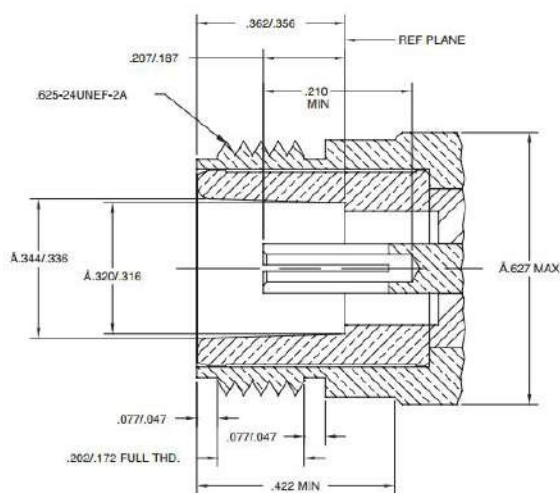
Body	Brass, White Bronze Plating
Contact	Beryllium Copper, Silver Plating
Insulator	PTFE

Interface Dimensions

Plug



Jack



AmphenolRF

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For more information visit: www.amphenolrf.com or
call 800.627.7100