

Model 272
High Reliability, N Connectors
 Designed to meet requirements of
 MIL-DTL-3933, CLASS III/IV, N/S

dc to 18.0 GHz
2 Watts



Features

- /// Rugged injection molded connectors.
- /// Screened (Model 272S) and Non-screened (Model 272N) designs available.
- /// Available in 1- 10, 20, 30 & 40 dB.
- /// Test Data supplied at additional cost as follows:
Non-screened (N): Swept data plots of Attenuation and SWR across the frequency band.
Screened (S): Swept data plots of Attenuation and SWR across the frequency band. Film, Standard data package includes lot record performance showing pass/fail quantities for all tests and test reports as applicable.

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 18.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:

Nominal ATTN (dB)	dB
1 - 9	± 0.30
10	± 0.40
20	± 0.50
30, 40	± 0.75

MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 4	1.12
4 - 8	1.15
8 - 12.4	1.18
12.4 - 18	1.20

POWER RATING: 5 watts **average** @ 25°C ambient temperature, derated linearly to 0.5 watt @ 125°C. 1 kilowatt **peak** (5 μsec pulse width; 0.25% duty cycle)

POWER COEFFICIENT: <0.005 dB/dB/Watt

TEMPERATURE COEFFICIENT: < 0.0004 dB/dB/°C

TEMPERATURE RANGE: -55°C to +125°C

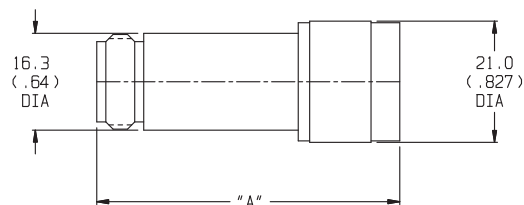
CONNECTORS: Precision Type N connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors.

CONSTRUCTION: Stainless steel body and connectors; gold plated beryllium copper contacts.

WEIGHT:

dB VALUE	WEIGHT (Net)
1 - 10, 20, 30	70 g (2.6 oz)
40	100 g (3.6 oz)

PHYSICAL DIMENSIONS:



dB VALUE	DIM A
1-10, 20, 30	57.9 (2.28)
40	68.1 (2.68)

NOTE: All dimensions are given in mm (inches) and are maximum, unless otherwise specified.

Screening

Units are screened as follows:

"N" versions:

- SWR
- Attenuation
- Peak Power

"S" versions:

- Thermal Shock
- Monitored Thermal Cycle (MTC)
- Attenuation
- Conditioning
- Peak Power
- Attenuation
- SWR
- Radiographics

MODEL NUMBER DESCRIPTION:

Example:

