

Fixed Coaxial Attenuators



Model 251 High Power, N Connectors Convection Cooled, Bi-directional



dc to 6.0 GHz
200 Watts

RoHS



Features

- /// Quality connectors with special high temperature support beads.
- /// Designed to meet environmental requirements of MIL-DTL-3933.

Specifications

NOMINAL IMPEDANCE: 50 Ω
FREQUENCY RANGE: dc to 6.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:

Nominal ATTN (dB)	Deviation (dB)
10, 20, 30, 40	± 2.00

MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 2	1.10
2 - 6	1.20

POWER RATING: 200 watts **average** (Bi-directional) to 25°C ambient temperature, derated linearly to 20 watts @ 125°C ambient. 10 kilowatt **peak** (5 μ sec pulse width; 1% duty cycle).

POWER COEFFICIENT: <0.0001 dB/dB/watt

TEMPERATURE COEFFICIENT: <0.0004 dB/dB/°C

TEMPERATURE RANGE: -55°C to 125°C

TEST DATA: Swept data plots of attenuation and SWR from 50 MHz to 6 GHz.

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

Connector Options

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Type/Description

Type N, Female

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Type N, Male

CONSTRUCTION: Black Finned Aluminum alloy body, stainless steel connectors; gold plated beryllium copper contacts.

WEIGHT: 1,530 g (3 lbs, 6 oz) maximum

MODEL NUMBER DESCRIPTION:

Example:

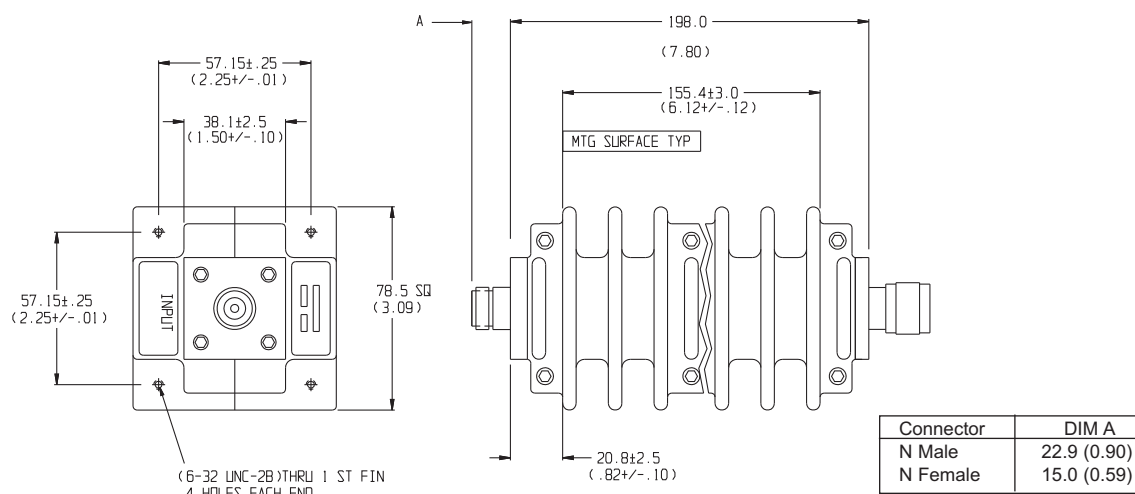
251 - XX - XX

Basic
Model
Number

Attenuation
Value (dB)

Connector Options
1st digit is input side
2nd digit is output side

PHYSICAL DIMENSIONS:



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