

Fixed Coaxial Attenuators



Model 251 High Power Fixed Coaxial Attenuator



dc to 6.0 GHz
200 Watts

Convection Cooled, Bidirectional



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	± 1.50

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

POWER RATING: 200 watts average (Bidirectional) to 25°C ambient temperature, derated linearly to 20 watts @ 125°C ambient. 10 kilowatt peak (5 μsec 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: Insertion loss test data supplied at 0.05, 1, 2, 3, 4 and 5 GHz. Other test data can be provided at additional cost.

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

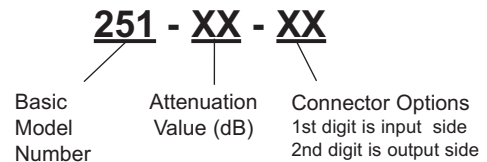
Connector Options	Type/Description
3	Type N, Female
4	Type N, Male

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

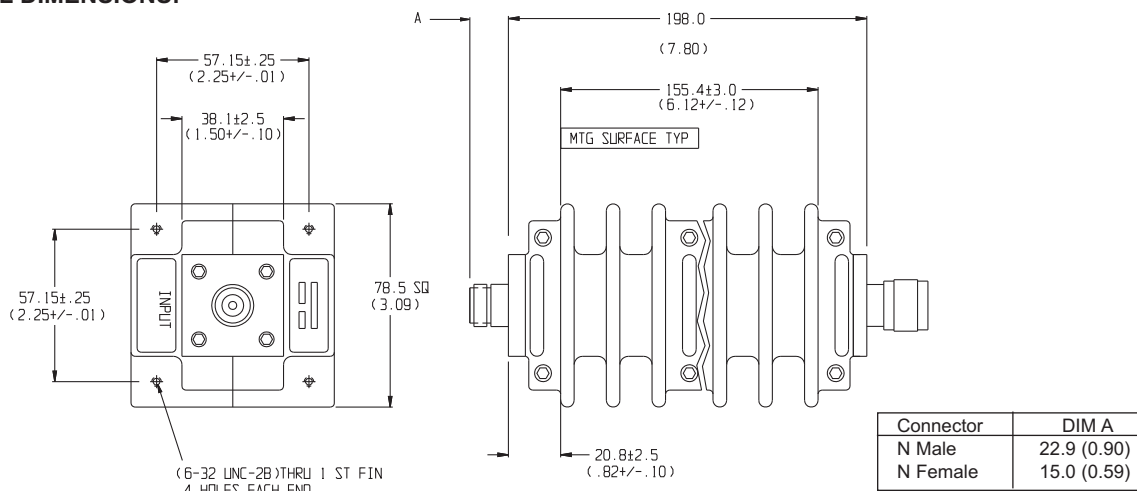
WEIGHT: 1,452 g (3.2 lbs) maximum

MODEL NUMBER DESCRIPTION:

Example:



PHYSICAL DIMENSIONS:



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