

Model 72 Medium Power Fixed Coaxial Attenuators

dc to 4.0 GHz

Conduction Cooled



Features

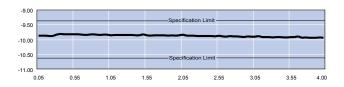
- **Compact Construction -** Lowest size/power ratio.
- // Precision Connectors with high temperature support beads.
- // Designed to meet environmental requirements of MIL-A-3933.
- Wireless Applications Optimized for use in the communications bands.

Specifications

NOMINAL IMPEDANCE: 50 Ω

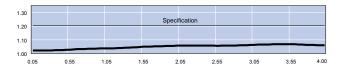
FREQUENCY RANGE: dc to 4.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:Nominal ATTN (dB)Deviation (dB)3, 6, 10, 20, 30± 0.70



Typical Attenuation Accuracy of a 72-10-34

MAXIMUM SWR:	
Frequency (GHz)	SWR
dc - 4	1.20



Typical SWR of a 72-10-34

POWER RATING 50 watts **average (unidirectional)**, 5 kilowatts **peak** (5 µsec pulse width; 0.5 % duty cycle) with case temperature held within $\underline{100\ ^{\circ}\text{C maximum}}$ with appropriate conductive heat sink. Maximum power rating into output port is 10% of the average power rating.

POWER COEFFICIENT: <0.0005 dB/dB/watt
TEMPERATURE COEFFICIENT: <0.0004 dB/dB/°C
TEMPERATURE RANGE: -55°C to 100°C (case)

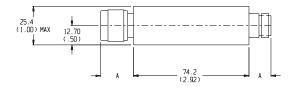
CONNECTORS: Type N connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors.

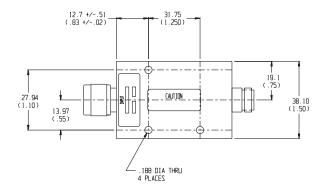
Connector Options	Type/Description
3	Type N, Female
4	Type N, Male

CONSTRUCTION: Aluminum body, stainless steel

connectors; gold plated beryllium copper contacts.

WEIGHT: 170 g (6 oz.) maximum **PHYSICAL DIMENSIONS**:

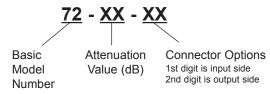




NOTE: All dimensions are given in mm (inches) and are nominal, unless otherwise specified.

MODEL NUMBER DESCRIPTION:

Example:



10/23/01