Fixed Coaxial Attenuators

AEROFLEX WEINSCHEL

Model 73
High Power, N or SMK Connectors

dc to 8.5 GHz
100 Watts

☑ RoHS

Features

- **Compact Construction** - Lowest size/power ratio.
- **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 8.5 GHz

MAXIMUM DEVIATION OVER FREQUENCY:	
Nominal ATTN (dB)	Deviation (dB)
3, 6, 10, 20, 30 40	± 0.75 +1 / -0.50

MAXIMUM SWR:	
Frequency (GHz)	SWR
dc - 4 4 - 8.5	1.25 1.35

POWER RATING (mounted horizontally with fins vertical): 100 watts **average (unidirectional)** to 25°C ambient temperature, derated linearly to 10 watts @ 125°C. 5 kilowatt **peak** (5 µsec pulse width; 1.0% duty cycle). Maximum power rating into output port is 20 watts average.

POWER COEFFICIENT: <0.00015 dB/dB/watt

TEMPERATURE COEFFICIENT: <0.0004 dB/dB/°C

TEMPERATURE RANGE: -55°C to 125°C

TEST DATA: Swept data plots of SWR from 50 MHz to 8.5 GHz.

CONNECTORS: Type N connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors. SMK (2.92mm) connectors - mate nondestructively with SMA per MIL-C-39012, 3.5mm, SMK, and other 2.92mm connectors.

Options	Description	Options	Description
1	SMK, Female	3	Type N, Female
2	SMK, Male	4	Type N, Male

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

WEIGHT: 1130 g (2 lbs, 8 oz.) maximum

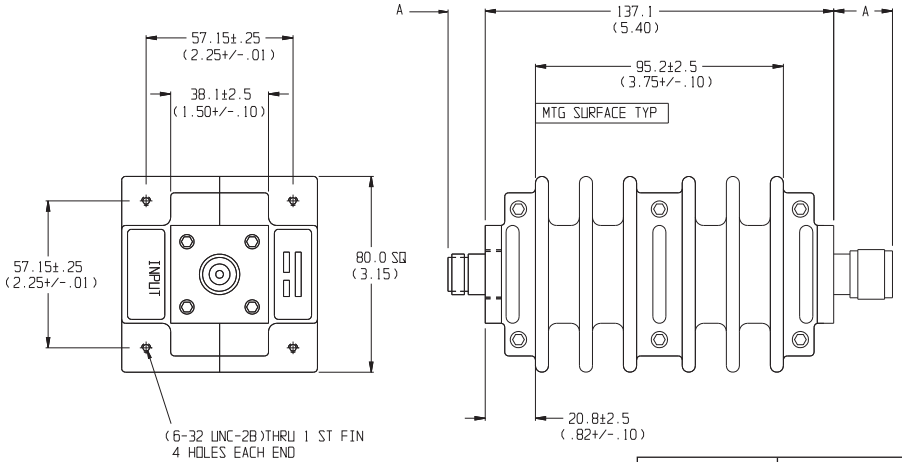
MODEL NUMBER DESCRIPTION:

Example:

73 - XX - XX

- 73 — Basic Model Number
- XX — Attenuation Value (dB)
- XX — Connector Options: 1st digit is input side; 2nd digit is output side

PHYSICAL DIMENSIONS:



Connector	DIM A	Connector	DIM A
N Male N Female	22.9 (0.90) 15.0 (0.59)	2.92mm Male 2.92mm Female	14.0 (0.55) 12.7 (0.50)

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

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