Fixed Coaxial Attenuators

Model 23
Medium Power, Type N Connectors
Bi-directional Design!

dc to 18.0 GHz
10 Watts

RoHS

Features

- **Precision injection molded connector dielectric.**
- **Designed to meet environmental requirements of MIL-DTL-3933.**

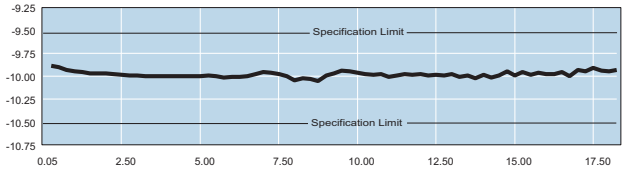
Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 18.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:

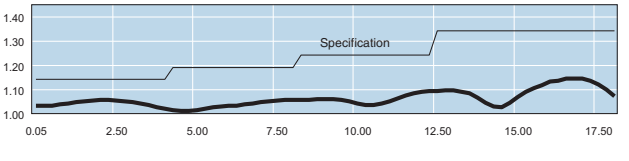
Nominal ATTN (dB)	Deviation (dB)
1, 2	± 0.50
3, 6	± 0.30
10, 20	± 0.50
30, 40	± 1.00
50	± 1.25
60	± 1.50



Typical Attenuation Accuracy of a 23-10-34

MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 4	1.15
4 - 8	1.20
8 -12.4	1.25
12.4 - 18	1.35



Typical SWR of a 23-10-34

POWER RATING (mounted horizontally): 10 watts **average (bi-directional)** to 25°C ambient temperature, derated linearly to 1 watts @ 125°C. 1 kilowatt **peak** (5 µsec pulse width; 0.5% duty cycle).

POWER COEFFICIENT: <0.001 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 18 GHz supplied.

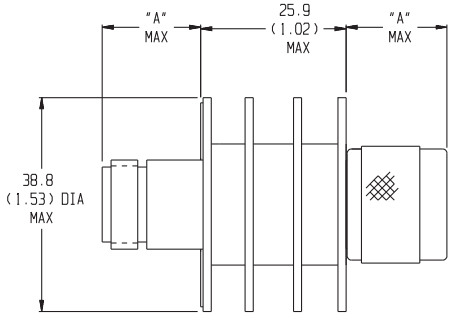
CONNECTORS: Type N connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors.

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

CONSTRUCTION: Black, finned aluminum body, gold plated beryllium copper contacts.

WEIGHT: 110 g (4 oz.) maximum

PHYSICAL DIMENSIONS:



Connector	DIM A
N Male	24.1 (0.95)
N Female	19.1 (0.75)

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

MODEL NUMBER DESCRIPTION:

Example:

23 - XX - 34*

- **23** — Basic Model Number
- **XX** — Attenuation Value (dB)
- **34** — Connector Options -34 Male/Female only!

* Unit is bi-directional and full power may be applied to either J1 or J2.

5305 Spectrum Drive, Frederick, MD 21703-7362 • TEL: 301-846-9222, 800-638-2048 • Fax: 301-846-9116 web: www.weinschel.apitech.com • email: weinschel-sales@apitech.com

Revision Date: 08/01/2016