



technologies corp.

> WEINSCHTEL

Model 279

Medium Power, SMK Connectors

Fixed Coaxial Attenuators

dc to 40.0 GHz

10 Watts



Features

- /// Compact Construction - Lowest size/power ratio.
- /// Precision injection molded connectors.
- /// Designed to meet environmental requirements of MIL-DTL-3933.
- /// RoHS Compliant

Specifications

NOMINAL IMPEDANCE: 50 Ω

FREQUENCY RANGE: dc to 40.0 GHz

MAXIMUM DEVIATION OVER FREQUENCY:

| Nominal ATTN (dB) | Deviation (dB) |
|-------------------|----------------|
| 6, 10, 20, 30 | ± 1.5 |

MAXIMUM SWR:

| Frequency (GHz) | SWR |
|-----------------|------|
| dc - 18 | 1.20 |

POWER RATING (mounted horizontally): 10 watts **average (unidirectional)** to 25°C ambient temperature, derated linearly to 2 Watts @ 125°C. 200 watts **peak** (5 μsec pulse width; 5% duty cycle). Maximum power into output port is 5 Watts.

POWER COEFFICIENT: <0.002 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 40 GHz.

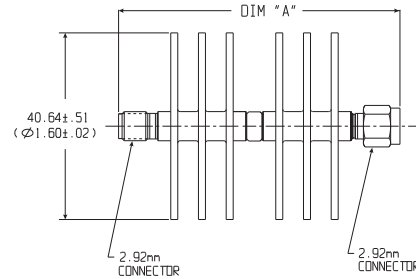
CONNECTORS: SMK (2.92mm) Male/Female connectors - mate nondestructively with SMA per MIL-C-39012, 3.5mm and other 2.92mm connectors.

| Connector Options | Type/Description |
|-------------------|----------------------|
| 1 | SMK (2.92mm), Female |
| 2 | SMK (2.92mm), Male |

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

WEIGHT: 200 g (8.0 oz.) maximum

PHYSICAL DIMENSIONS:



| Dash No. | Connector Type | DIM A |
|----------|------------------|------------------|
| 11 | SMKFemale/Female | 60.5 mm (2.38") |
| 12 | SMK Female/Male | 63.5 mm (2.50") |
| 21 | SMK Male/Female | 63.5 mm (2.50") |
| 22 | SMK Male/Male | 66.00 mm (2.60") |

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

MODEL NUMBER DESCRIPTION:

Example:

