

Power Dividers

Broadband Resistive Type

Two Way Broadband Power Division

- DC-12.4 and DC-18.0 GHz bandwidth units
- Symmetrical Loss and Phase Balance
- Rugged Construction
- Meets Mil-E-5400 and Mil-E16400 Environment

Midwest Microwave's series of Resistive Two Way Power Dividers are very broadband devices that are small, lightweight, ruggedly constructed units that possess consistent VSWR and insertion loss. They also exhibit excellent phase and amplitude tracking. Units are available in wideband frequency bandwidths covering the range of DC-12.4 GHz and DC-18.0 GHz. The units meet the environmental specifications of MIL-E-5400 and MIL-E-16400.



Model Number: **PWD-2532-02-SMA-79**

DC-12.4 GHz

Model Number: **PWD-2533-02-SMA-79**

DC-18.0 GHz

SPECIFICATIONS

Frequency: DC-12.4 GHz and DC - 18.0 GHz

Impedance: 50 Ohms

VSWR: 1.25 @ DC-10 GHz and 1.35 @ 10.0-18.0 GHz

Amplitude Balance: 0.2 dB @ DC-4.0 GHz
0.4 dB @ 4.0-10.0 GHz
0.5 dB @ 10.0-18.0 GHz

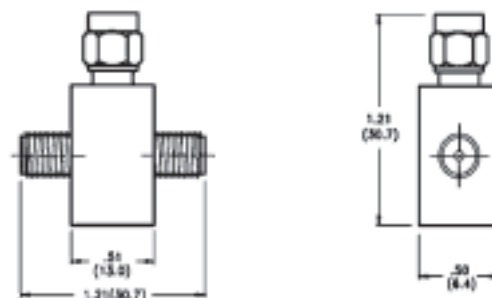
Phase Balance: 10 degrees max

Insertion Loss: 6 dB nom +1.2/-0.2 dB @ DC-10 GHz
6 dB nom +1.5/-0.2 dB @ 10-18 GHz

Power (In): 1 Watt avg

Operating Temperature: -55 °C - +125 °C

Connectors: Passivated Stainless Steel SMA*



R.F. Signal Monitor

- Bite System Application
- Small Size, Light Weight
- Rugged Construction
- Meets Mil-E-5400 and Mil-E16400 Environment

Midwest Microwave offers a wide variety of Signal Monitor components. The unit described here is a passive device that monitors the signal that is flowing in a transmission line. It is a linear device that extracts a very small portion of the energy in the primary line in order to monitor the presence of a signal on that line. The units meet the environmental specifications of MIL-E-5400 and MIL-E-16400.



Model Number: **RFM-7020-26-SMA-79**

SPECIFICATIONS

Frequency: DC-2.5 GHz

Impedance: 50 Ohms

VSWR: 1.20:1 max

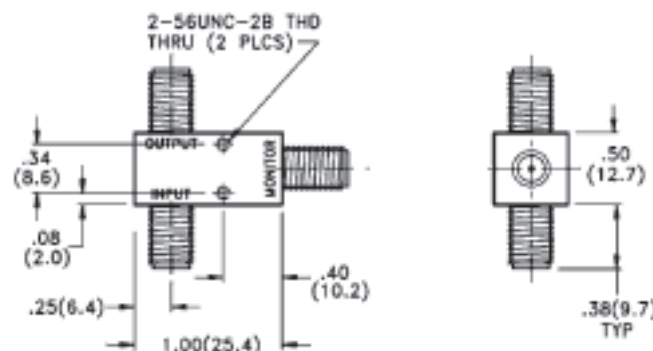
Main RF Path Attenuation: 0.5 ± 0.15 dB

Sampled Port Coupling: 26 ± 1.2 dB

Power (In): 1 Watt avg

Operating Temperature: -55 °C - +125 °C

Connectors: Passivated Stainless Steel SMA*



- Note 1. TNC, BNC, or Type N output connectors are available by substituting "TNC", "BNC", or "NNN" for "SMA" in the Model Number.
2. Overall dimensions will increase because of larger connectors.

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