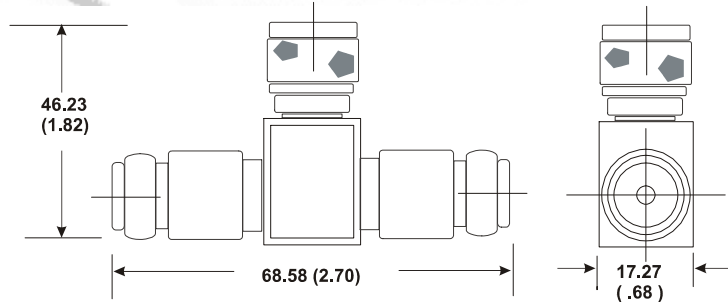


Broadband Resistive Power Divider MODEL WA1506A

DC-18.0 GHz

1 Watt



Features

- ▶ Accurate Division and Low Frequency Sensitivity- The symmetry of output power between the two arms is excellent across the frequency range.
- ▶ High Stability- Low temperature and power coefficients ensure attenuator stability
- ▶ Calibration Data – Each divider is calibrated at four frequencies. Calibration data provided at additional cost.
- ▶ Matched Ports- Symmetrical 6 dB division permits any port to be used as input.

Specifications

Nominal Impedance: 50Ω

Frequency Range: DC to 18.0 GHz

AMPLITUDE & PHASE TRACKING (MAX.)	
Frequency (GHz)	Tracking
DC – 4.0	0.2 dB
4.0 – 10.0	0.4 dB
10.0 - 18.0	0.5 dB

MAXIMUM VSWR	
Frequency (GHz)	VSWR
DC – 10.0	1.25
10.0 - 18.0	1.35

Insertion Loss: (Between input & either output arm): 6 dB nominal, -0.2, +1.2 dB maximum to 10.0 GHz; +1.5 dB maximum to 18 GHz.

Maximum Input Power: 1.0 watt CW, 1 kilowatt peak (5μsec pulse width, 0.05 duty cycle)

Phase Tracking: ±2° nominal between output ports (with male connector as input and female connectors as outputs)

Number of Ports: 3 interchangeable for input and output

Power Coefficient: <0.005 dB/dB/W

Temperature Coefficient: <0.005 dB/dB/°C

Temperature Range: -55°C TO +125 °C

Construction: Nickel plated brass body; stainless steel connectors; gold plated beryllium copper contacts.

Connectors: Type N connectors per MIL-STD-348 interface nondestructively with MIL-PRF-39012 connectors.

Weight: .14kg (5 oz) maximum

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



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Specification
Subject to change
without notice