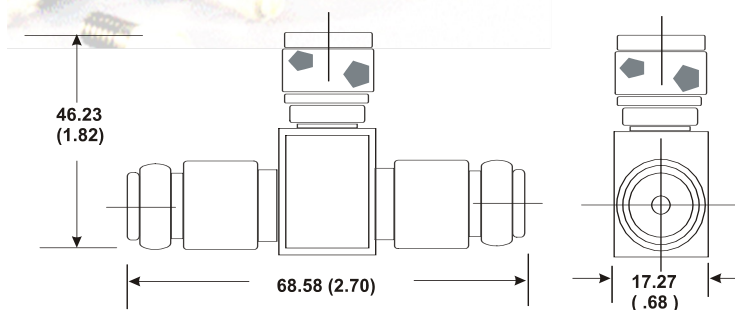


# Broadband Resistive Power Divider WA1506A

DC - 18.0 GHz

1 WATT



## Features

Type N male (combined port), Type N female (divided ports) connectors per MIL-STD-348 interface non-destructively with MIL-PRF-39012 connectors.

Features accurate division and low frequency sensitivity, high stability and matched ports.

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC - 18.0 GHz

**Power Coefficient:** < 0.005 dB/dB/W;

**Power Rating:** 1 W maximum average rated power to 25°C ambient temperature, de-rated linearly to 0.1 W at 125°C. 1 kW peak power (5 µsec pulse width, 0.05% duty cycle).

**Temperature Range:** -55°C to +125°C.

**Temperature Coefficient:** < 0.0004 dB/dB/°C.

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

**Phase Tracking:** ±2° nominal between output ports, ±5° maximum.

**Accurate Division and Low Frequency Sensitivity:** The symmetry of output between the two arms is excellent across the frequency range.

## Maximum Amplitude Tracking

Frequency Range (GHz)	Tracking (dB)
	WA1506A
DC - 4.0	0.2
4.0 - 10.0	0.4
10.0 - 18.0	0.5

## Maximum VSWR:

Frequency (GHz)	VSWR
	WA1506A
DC - 10.0	1.25
10.0 - 18.0	1.35

## Dimensions:

Weight:	0.14 (4.94)
Length:	68.58 (2.7)
Width:	17.27 (0.68)
Height:	46.23 (1.82)

*Note: Dimensions are given in mm (in), or g (oz). Weight figure is nominal, with our standard connector configuration. Additional connector options may be available.*

**High Stability:** Low temperature and power coefficients ensure attenuator stability.

**Matched Ports:** Symmetrical 6 dB divisions permits any port to be used as input

**Insertion Loss:** 6 dB nominal, +1.2/-0.2 dB to 10.0 GHz; +1.5 dB to 18 GHz.

**Number of Ports:** 3 interchangeable for input and output.