

Broadband Resistive Power Divider MODEL WA1549R

DC – 4.0 GHz

1 WATT

Features

These resistive power dividers are intended for RF and wireless applications in which one of the outputs is included in a leveling loop or is used as a reference in a ratio system, for the purpose of providing an output signal whose source impedance is essentially matched to 50Ω. Some examples are:

- ▶ A dual channel insertion loss measuring system (ratio).
- ▶ A parallel IF substitution insertion loss measuring system (ratio or ALC loop).
- ▶ A precision power source (ratio or ALC loop)

Specifications

NOMINAL IMPEDANCE: 50Ω

FREQUENCY RANGE: DC - 4.0 GHz

INSERTION LOSS: 6 dB nominal, 6.5 dB maximum (Between input and either output)

MAXIMUM INPUT POWER: 1.0 watt CW (Input connector only)

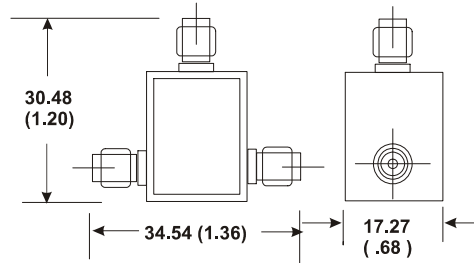
AMPLITUDE & PHASE TRACKING (MAX.)		
Frequency (GHz)	Tracking	
	Amplitude	Phase
DC – 4.0	< 0.15	< 4°

TEMPERATURE RANGE: -55°C to +125 °C

CONNECTORS: Female SMA connectors all ports-mate nondestructively with other SMA, 2.92mm and 3.5mm connectors. Optional male SMA connectors are available.

WEIGHT: 25 g (0.9 oz) maximum

PHYSICAL DIMENSIONS:



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

MAXIMUM VSWR:

Frequency (GHz)	Output	Input
DC – 4.0	1.25	1.25



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Specification
Subject to change
without notice