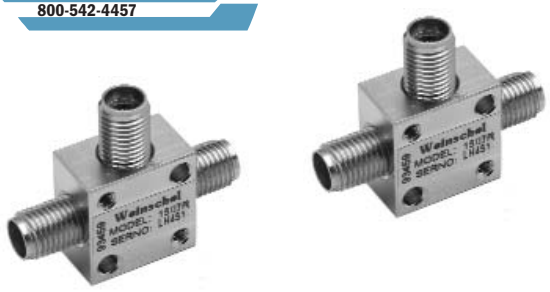
Model 1507R
Broadband Resistive Power Splitter (Matching)

dc to 4.0 GHz
1 Watt

Low Cost, SMA Connectors



Features

These resistive power splitters are intended for RF and wireless applications in which one of the two 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: 50 Ω

FREQUENCY RANGE: dc to 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 (Maximum):

Frequency (GHz)	Tracking	
	Amplitude	Phase
dc - 4.0	<0.2 dB	<4°

MAXIMUM SWR:

Frequency (GHz)	Output*	Input
dc -4	1.15	1.25

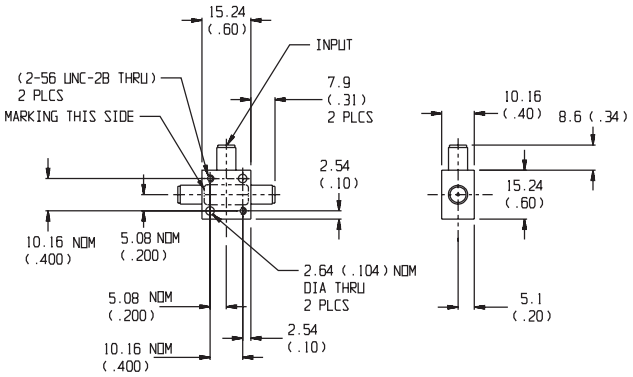
*Equivalent output SWR when used in a leveling or ratio system.

TEMPERATURE RANGE: -55 °C to +125 °C

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

WEIGHT: 25 g (0.9 oz) maximum

PHYSICAL DIMENSIONS:



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

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Revision Date: 12/15/04