

Model 1507R
Broadband Resistive Power Splitter
(Matching), SMK Connectors

dc to 4.0 GHz
1 Watt



MAXIMUM SWR:

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

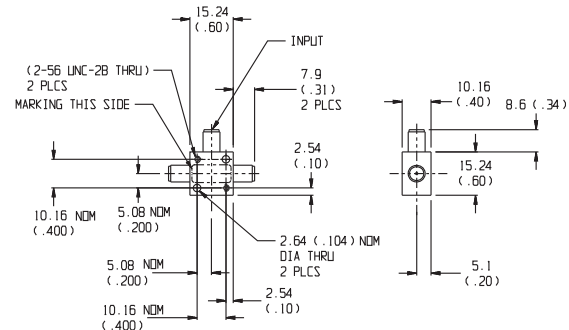
*Equivalent output SWR when used in a leveling or ratio system.

TEMPERATURE RANGE: -55 °C to +125 °C

CONNECTORS: Female SMK (2.92 mm, SMA compatible) 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.

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°