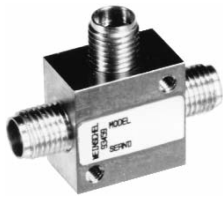


## Model 1534 Broadband Resistive Power Splitter (Matching)

dc to 40.0 GHz  
1 Watt

Subminiature, 2.92mm 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 where the resistive power splitter provides a reference and a signal channel for ratio meter.
- /// A parallel IF substitution insertion loss measuring system where the resistive power splitter provides a sampled output for leveling the signal source.
- /// A precision power source where a power meter of known characteristics is used, either by ratio or leveling to provide a calibrated output.

### Specifications

**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** dc to 40.0 GHz

**INSERTION LOSS:** 6 dB nominal, 8.0 dB maximum to 26.5, 10.5 dB to 40 GHz  
(Between input and either output)

**MAXIMUM INPUT POWER:** 1.0 watt CW (Input Connector only)

#### AMPLITUDE & PHASE RACKING (Maximum):

Frequency (GHz)	Tracking	
	Amplitude	Phase
dc - 18	<0.20 dB	<2°
18 - 26.5	<0.30 dB	<2°
26.5 - 40	<0.50 dB	<4°

#### MAXIMUM INPUT SWR:

Frequency (GHz)	Maximum SWR
dc - 18	1.25
18 - 26.5	1.40
26.5 - 40	1.60

#### EQUIVALENT OUTPUT SWR (Port 2 & 3):

Frequency (GHz)	Maximum SWR
dc - 26.5	1.35
26.5 - 40	160

\*When used in a leveling or ration system.

#### TEMPERATURE RANGE:

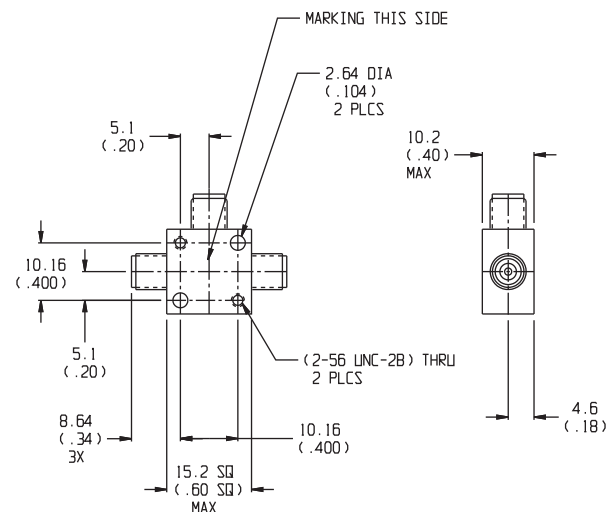
Operating: -55°C to +85°C  
Storage: -55°C to +125°C

**TEST DATA:** Insertion Loss, SWR, and Tracking measurements performed across the frequency band. Test data available at additional cost.

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