

# Broadband Resistive Power Splitter (Matching) MODEL WA1534

DC – 40.0 GHz

1 WATT



AMPLITUDE & PHASE TRACKING (MAX.)		
Frequency (GHz)	Tracking	
	Amplitude	Phase
DC – 40.0	< 0.50	< 4 °

## Features

**Lightweight Miniature package:** High power capability. These resistive power splitters 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 radio system, for the purpose of providing an output signal whose source impedance is essentially matched to 50 ohms.

## Specifications

**NOMINAL IMPEDANCE:** 50Ω

**FREQUENCY RANGE:** DC - 40.0 GHz

**INSERTION LOSS:** 6 dB nominal, 10.5 dB maximum (between input and either output).

**MAXIMUM INPUT POWER:** 1.0 watt CW, 1kw peak (5 μsec pulse width, 0.05 % duty cycle, input connector only).

**TEMPERATURE RANGE:** -55°C to +125 °C

**TEMPERATURE COEFFICIENT:** < 0.004 dB/dB/°C

**POWER COEFFICIENT:** < 0.005 dB/dB/watt

**CONSTRUCTION:** Nickel plated brass body; stainless steel connectors.

MAXIMUM VSWR		
Frequency (GHz)	Output	Input
DC – 40.0	1.70	1.60

**CONNECTORS:** Male 2.92mm port 1, (2) Female 2.92mm ports 2 and 3; all ports-mate nondestructively with other SMA, 2.92mm and 3.5mm connectors. Optional female 2.92mm connectors are available on all ports.

**WEIGHT:** 25 g ( 0.9 oz ) maximum

**PHYSICAL DIMENSIONS:**

**Body Width:** 10.2 (0.40)

**Body Height:** 15.2 (0.60) Square

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



## WEINSCHEL ASSOCIATES

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Specification  
Subject to change  
without notice