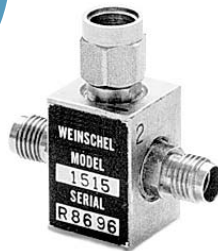


## Model 1515 & 1515-1 Broadband Resistive Power Divider

dc to 18.0 GHz  
1 Watt

### SMA Connectors



### Features

- /// **Miniature Size & Lightweight** - High power capability and high ambient temperature operation.
- /// **Close Tracking & Low Frequency Sensitivity** - Output power symmetry is excellent across the frequency range. Division is 6 dB from matched ports.
- /// **Test data Data** - Insertion loss test data data supplied.

### Specifications

**NOMINAL IMPEDANCE:** 50  $\Omega$

**FREQUENCY RANGE:** dc to 18.0 GHz

**INSERTION LOSS (between input & either output arm):**

6 dB nominal, -0.2 dB, +1.2 to 10 GHz, 1.5 to 18 GHz

**MAXIMUM INPUT POWER:** 1 watt CW, 1 kilowatt peak  
(5  $\mu$ sec pulse width, 0.05% duty cycle)

**NUMBER OF PORTS:** 3, interchangeable for input and output

**PHASE TRACKING:** 5° maximum between ports (J2 & J3) with input connector (J1).

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

#### AMPLITUDE TRACKING-J2 & J3 (Maximum):

Frequency (GHz)	Tracking
dc - 4	0.2 dB
4 - 10	0.4 dB
10 - 18	0.5 dB

#### MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 10	1.25
10 - 18	1.35

**TEMPERATURE COEFFICIENT:** < 0.0004 dB/dB/°C

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

**CONSTRUCTION:** Nickel plated brass body; stainless steel connectors; gold plated beryllium copper contacts.

**TEST DATA:** Insertion loss data supplied at 50 MHz, 12.0, and 18.0 GHz. Other test data can be provided at additional cost.

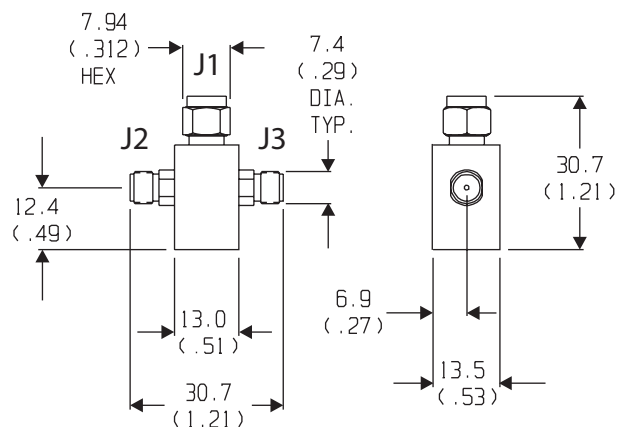
**CONNECTORS:** **Model 1515:** Male SMA connector port 1 and Female SMA connectors ports 2 and 3.

**Model 1515-1:** SMA Female connectors all ports--all SMA connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors.

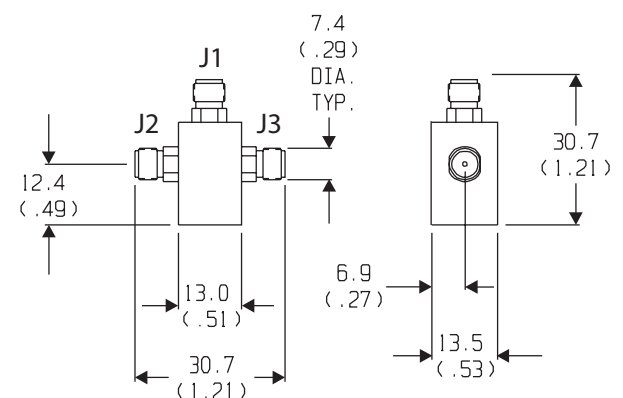
**WEIGHT:** Net 30 g (1 oz)

**PHYSICAL DIMENSIONS:**

**Model 1515:**



**Model 1515-1:**



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