

Power Splitters & Dividers

Model FD1515 & 1515-1

Broadband Resistive Power Divider

 **RoHS**

Ruggedized 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.

Specifications

Nominal Impedance: 50 Ω
Frequency Range: dc 18.0 to 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 μ 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.

dc to 18.0 GHz
1 Watts



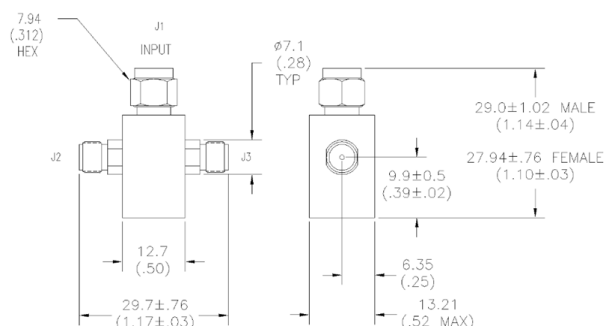
Test Data: Insertion loss data supplied at 50 MHz, 12.0, and 18.0 GHz. Other test data can be provided at additional cost.

Connectors: **Model FD1515:** 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 No.	Input Connector	Output Connector
FD1515	SMA Male	SMA Female
1515-1	SMA Female	SMA Female

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