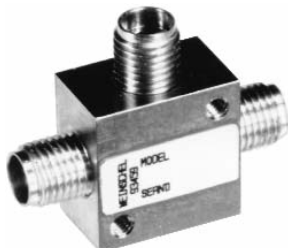


Model 1575

*Broadband Resistive Power Divider
Subminiature, SMK Connectors*

DC to 40.0 GHz
1.0 Watt

 **RoHS**



Features

This three resistor Power Divider is designed for applications where an RF and Microwave signal must be accurately divided or combined.

- /// **Miniature Size and Lightweight** - High power capability and high ambient temperature operation.
- /// **Close Tracking and 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 to 40.0 GHz

INSERTION LOSS (Between input and either output):
6 dB nominal, 8.5 dB maximum

MAXIMUM INPUT POWER: 1.0 watts CW, 1 kilowatt peak, 5 μ sec pulse width

NUMBER OF PORTS: 3, interchangeable for input and output

AMPLITUDE & PHASE TRACKING (Maximum):

Frequency (GHz)	Tracking	
	Amplitude	Phase
DC - 19	<0.25 dB	2°
19 - 40	<0.50 dB	5°

MAXIMUM SWR:

Frequency (GHz)	SWR
dc - 19	1.40
19 - 40	1.70

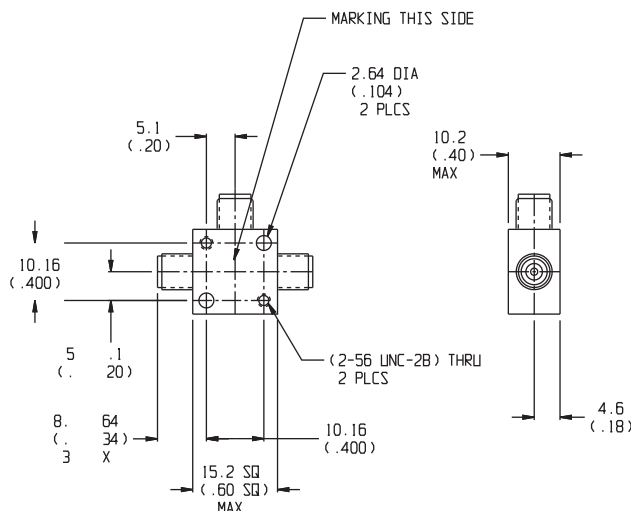
TEMPERATURE RANGE: -55°C to +85°C

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

CONNECTORS: Female SMK (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.