

2 Way Resistive Power Dividers



RLC Electronics' broadband resistive power dividers are small and lightweight with stainless steel 'SMA' connectors. They have excellent stability over temperature and output power, symmetry over frequency with a division of 6dB from matched ports. Input and outputs are interchangeable and phase difference is nominally $\pm 2.5^\circ$ between output ports.

These dividers utilize 3 resistors to provide good input & output source matching in ratio measurements and leveling applications. This product provides excellent output VSWR at the auxiliary arms over the full frequency range enabling wide-band measurements to be made accurately.

Specifications

DR-1-2-3

Model Number	Frequency Range (GHz)	Insertion Loss Isolation	VSWR	Amplitude
DR	DC-4.0	6.5 dB	1.2:1	.2 dB
	4.0-10.0	7.0 dB	1.3:1	.4 dB
	10.0-18.0	7.3 dB	1.4:1	.5 dB

Frequency: DC – 18GHz
Impedance: 50 ohms
Power rating: 1 watt

Connectors: 'SMA' (male or female)
Environment: MIL-E-5400, Class 1A

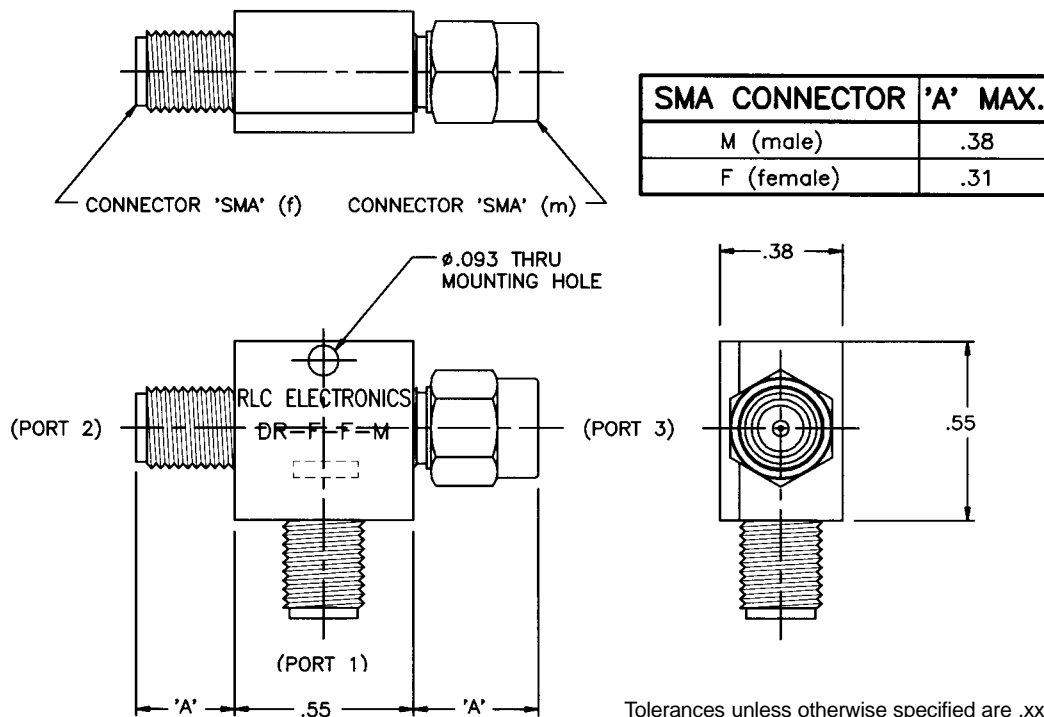
To designate the power divider desired use:

- (1) PORT 1 connector – add M for male or F for female.
- (2) PORT 2 connector – add M for male or F for female.
- (3) PORT 3 connector – add M for male or F for female.

NOTE: Refer to outline drawing below for connector location & orientation

Example: DR-F-F-M is a DC to 18GHz resistive power divider w/port 1 (female), port 2 (female), port 3 (male)

Outline Drawing



RLC ELECTRONICS, INC.

83 Radio Circle, Mount Kisco, New York 10549 • Telephone: 914-241-1334 • Fax: 914-241-1753
 e-mail: sales@rlcelectronics.com • www.rlcelectronics.com