

Isolated Power Dividers 3, 6, 9 & 12 Way



RLC Electronics' Power Dividers are compact microstrip units with wide bandwidth and multiple outputs. These units provide low VSWR at all ports and high isolation between all the output ports. Phase and amplitude tracking of all outputs are excellent

due to the symmetrical designs. Combinations of two-way and three-way power dividers in one package forms the basic building blocks in a variety of custom or standard "N" way output ports.

Specifications

3-Way

Model Number	Freq. GHz	ISOL. (dB)min	VSWR max	I.L. (dB)max	Ampl. Bal(dB)	Phase Bal.
D-0510-3	.50-1.0	17	1.50	.3	±2	±2°
D-0715-3	.75-1.5	17	1.50	.3	±2	±2°
D-1020-3	1.0-2.0	19	1.50	.3	±.25	±3°
D-1530-3	1.5-3.0	19	1.50	.4	±.25	±4°
D-2040-3	2.0-4.0	19	1.50	.5	±.3	±5°
D-4080-3	4.0-8.0	16	1.60	.5	±.3	±5°
D-70124-3	7.0-12.4	12	1.80	.8	±.4	±8°
D-12180-3	12.0-18.0	10	2.00	1.0	±.5	±10°

9-Way

Model Number	Freq. GHz	ISOL. (dB)min	VSWR max	I.L. (dB)max	Ampl. Bal(dB)	Phase Bal.
D-0510-9	.50-1.0	17	1.50	.6	±.3	±5°
D-0715-9	.75-1.5	17	1.50	.6	±.3	±5°
D-1020-9	1.0-2.0	18	1.60	.6	±.3	±6°
D-1530-9	1.5-3.0	18	1.60	.75	±.4	±6°
D-2040-9	2.0-4.0	17	1.80	.9	±.5	±7°
D-4080-9	4.0-8.0	16	1.80	1.0	±.5	±10°
D-70124-9	7.0-12.4	12	2.00	1.4	±.7	±10°
D-12180-9	12.0-18.0	10	2.00	1.8	±.9	±10°

6-Way

D-0510-6	.50-1.0	18	1.50	.55	±.3	±4°
D-0715-6	.75-1.5	18	1.50	.55	±.3	±4°
D-1020-6	1.0-2.0	18	1.50	.55	±.3	±5°
D-1530-6	1.5-3.0	18	1.50	.65	±.35	±5°
D-2040-6	2.0-4.0	17	1.50	.7	±.35	±6°
D-4080-6	4.0-8.0	16	1.60	.9	±.4	±8°
D-70124-6	7.0-12.4	12	1.80	1.3	±.6	±10°
D-12180-6	12.0-18.0	10	2.00	1.7	±.7	±12°

12-Way

D-0510-12	.50-1.0	17	1.50	.85	±.45	±6°
D-0715-12	.75-1.5	17	1.50	.85	±.45	±6°
D-1020-12	1.0-2.0	18	1.60	.85	±.45	±7°
D-1530-12	1.5-3.0	18	1.60	1.0	±.5	±7°
D-2040-12	2.0-4.0	17	1.80	1.0	±.5	±8°
D-4080-12	4.0-8.0	16	1.80	1.4	±.7	±9°
D-70124-12	7.0-12.4	12	2.00	1.8	±.9	±10°
D-12180-12	12.0-18.0	10	2.00	2.4	±1.2	±10°

*Add 0.10 to input VSWR for 9 & 12 Way dividers

Power: 10 watts avg. (outputs terminated with a VSWR less than 1.35) 200mW avg. (outputs terminated with any VSWR and phase)

Connectors: SMA female

Impedance: 50 ohms

Environment: MIL-E-5400, Class 1A



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