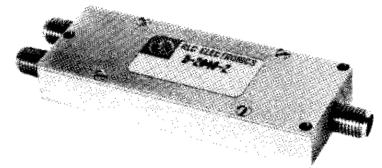


# Isolated Power Dividers 2, 4, 8 & 16 Way



RLC Electronics' In Phase Power Dividers are the smallest units available in the industry today. Performance is improved by utilizing 2-step transformers and two thick film resistive

elements. For close phase and amplitude tracking, these "Wilkinson" dividers utilize precision etching of the single microstrip board..

## Specifications

### 2-Way

Model Number	Freq. GHz	ISOL. (dB)min	VSWR* max	I.L. (dB)max	Ampl. Bal.(dB)	Phase Bal.
D-0510-2	.50-1.0	20	1.20	.3	±2	±2°
D-0715-2	.75-1.5	20	1.20	.3	±2	±2°
D-1020-2	1.0-2.0	20	1.25	.3	±2	±2.5°
D-1530-2	1.5-3.0	20	1.25	.3	±2	±3°
D-2040-2	2.0-4.0	20	1.30	.3	±2	±3°
D-4080-2	4.0-8.0	18	1.50	.5	±3	±3°
D-70124-2	7.0-12.4	16	1.70	.7	±3	±4°
D-12180-2	12.0-18.0	15	2.00	.9	±4	±5°

### 8-Way

Model Number	Freq. GHz	ISOL. (dB)min	VSWR* max	I.L. (dB)max	Ampl. Bal.(dB)	Phase Bal.
D-0510-8	.50-1.0	20	1.20	1.0	±4	±4°
D-0715-8	.75-1.5	20	1.20	1.0	±4	±4°
D-1020-8	1.0-2.0	20	1.25	1.0	±4	±5°
D-1530-8	1.5-3.0	20	1.25	1.0	±4	±6°
D-2040-8	2.0-4.0	20	1.30	1.0	±4	±6°
D-4080-8	4.0-8.0	18	1.50	1.5	±5	±6°
D-70124-8	7.0-12.4	16	1.70	2.0	±5	±6°
D-12180-8	12.0-18.0	15	2.00	2.5	±6	±6°

### 4-Way

D-0510-4	.50-1.0	20	1.20	.6	±3	±3°
D-0715-4	.75-1.5	20	1.20	.6	±3	±3°
D-1020-4	1.0-2.0	20	1.25	.6	±3	±3°
D-1530-4	1.5-3.0	20	1.25	.6	±3	±5°
D-2040-4	2.0-4.0	20	1.30	.6	±3	±5°
D-4080-4	4.0-8.0	18	1.50	1.0	±4	±5°
D-70124-4	7.0-12.4	16	1.70	1.0	±4	±5°
D-12180-4	12.0-18.0	15	2.00	2.0	±5	±6°

### 16-Way

D-0510-16	.50-1.0	20	1.25	1.5	±4	±5°
D-0715-16	.75-1.5	20	1.25	1.5	±4	±5°
D-1020-16	1.0-2.0	20	1.30	1.2	±4	±6°
D-1530-16	1.5-3.0	20	1.30	1.5	±4	±8°
D-2040-16	2.0-4.0	20	1.35	1.5	±4	±8°
D-4080-16	4.0-8.0	18	1.55	2.0	±5	±10°
D-70124-16	7.0-12.4	16	1.75	2.5	±5	±10°
D-12180-16	12.0-18.0	15	2.05	3.0	±6	±12°

\*Add 0.10 to input VSWR for 8 & 16 Way dividers

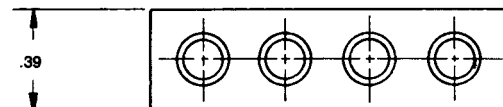
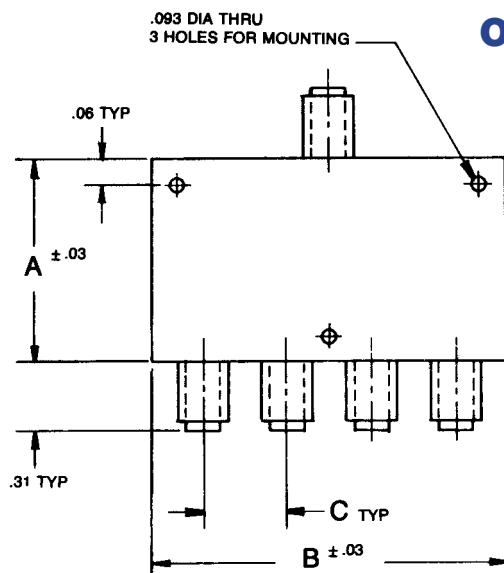
**Power:** 10 watts avg. (outputs terminated with a VSWR less than 1.35) 200mW avg. (outputs terminated with any VSWR and phase)

**Connectors:** SMA female

**Impedance:** 50 ohms

**Environment:** MIL-E-5400, Class 1A

## Outline Drawing



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