

- ◆ 2 to 6 way Power Division
- ◆ 200 Watt Average Power Rating
- ◆ Minimal RF Insertion Loss
- ◆ High Reliability
- ◆ N-female Connectors Standard
- ◆ BNC, TNC or SMA options



Microlab Model D2-D6 Power Splitters have been designed to evenly split high power signals with minimal reflections or loss. Units may also be used as low loss coherent combiners provided all inputs are both amplitude and phase coincident. Designed with only a few solder joints and an air dielectric, the loss has been minimized and reliability enhanced.

These dividers consist of radially symmetrical output branches emanating from a common junction. This junction is then transformed to the line by a series of cascaded quarter-wave transformers mounted within a coaxial housing.

See other models for designs to meet specific system requirements for bandwidth, size, connectors, etc. (8/08)

Power Rating: 200 W avg., 3 kW peak
Insertion Loss: 0.1 dB max.
Impedance: 50Ω nominal
Temperature: -55°C to +150°C
Housing Finish: Passivated Aluminum
Connector Finish: Silver or tri-plate

Basic 2 Way Output Divider: N(m) input, N(f) outputs

Part Number	Frequency Range	Input VSWR	Length in. (mm)	Weight oz. (g)
D2-0TN	250-750	<1.3:1	13.4 (340)	9 (252)
D2-1TN	500-1500	<1.3:1	7.3 (185)	7 (196)
D2-2TN	1000-3000	<1.3:1	4.3 (109)	5 (140)
D2-4TN	2000-6000	<1.3:1	2.7 (69)	4 (112)

Basic 3 - 6 Way Output Dividers: N male input, N female outputs (TN suffix), for all female use FN suffix.

Frequency Range	Length in. (mm)	3 Way		4 Way		5 Way		6 Way	
		Part Number	Input VSWR	Part Number	Input VSWR	Part Number	Input VSWR	Part Number	Input VSWR
250-750	17.5 (445)	D3-0TN	<1.3:1	D4-0TN	<1.3:1	D5-0TN	<1.3:1	D6-0TN	<1.3:1
500-1500	9.4 (239)	D3-1TN	<1.3:1	D4-1TN	<1.3:1	D5-1TN	<1.3:1	D6-1TN	<1.3:1
1000-3000	5.3 (135)	D3-2TN	<1.3:1	D4-2TN	<1.3:1	D5-2TN	<1.3:1	D6-2TN	<1.3:1
2000-6000	3.2 (81)	D3-4TN	<1.3:1	D4-4TN	<1.3:1	D5-4TN	<1.3:1	D6-4TN	<1.35:1