

High Power Directional Couplers



- Low Insertion Loss
- High Power
- High Directivity
- Other Frequency Bandwidths and Custom are available.

High Power Directional Couplers, (N Type)

Part Number	Frequency Range (GHz)	Normal Coupling (dB)	Coupling Accuracy (dB Max)	Mainline VSWR	Coupling VSWR (Max)	Directivity (dB, Min)	Insertion Loss (dB/Max)	Power Handling (W)	Connector Type	Dimensions in mm	Outline
DCH5-0.8-2.5GHz-3	0.8-2.5	5±0.5	±0.5	1.25:1	1.25	21	<1.9	200	N-F	120 x 39 x 17mm	DH1
DCH7-0.8-2.5GHz-3	0.8-2.5	7±0.5	±0.5	1.25:1	1.25	21	<1.2	200	N-F	120 x 39 x 17mm	DH2
DCH10-0.8-2.5GHz-3	0.8-2.5	10±0.6	±0.5	1.25:1	1.25	21	<0.7	200	N-F	120 x 39 x 17mm	DH3
DCH15-0.8-2.5GHz-3	0.8-2.5	15±0.8	±0.5	1.25:1	1.25	21	<0.35	200	N-F	120 x 39 x 17mm	DH4
DCH20-0.8-2.5GHz-3	0.8-2.5	20±1	±0.5	1.25:1	1.25	25	<0.20	200	N-F	120 x 39 x 17mm	DH5
DCH25-0.8-2.5GHz-3	0.8-2.5	25±1	±0.5	1.25:1	1.25	25	<0.20	200	N-F	120 x 39 x 17mm	DH6
DCH30-0.8-2.5GHz-3	0.8-2.5	30±1	±0.5	1.25:1	1.25	25	<0.15	200	N-F	120 x 39 x 17mm	DH7

Ultra Broadband Directional Couplers, (SMA)

Part Number	Frequency Range (GHz)	Normal Coupling (dB)	Coupling Accuracy (dB Max)	Mainline VSWR	Coupling VSWR (Max)	Directivity (dB, Min)	Insertion Loss (dB/Max)	Power Handling (W)	Connector Type	Dimensions in mm	Outline
DCU6-0.5-2.0GHz-1	0.5-2	6±0.7	±0.7	1.25:1	1.25	20	<1.3	50	SMA-F	133 x 15 x 11	DU1
DCU10-0.5-2.0GHz-1	0.5-2	10±0.8	±0.7	1.25:1	1.25	20	<0.9	50	SMA-F	133 x 15 x 11	DU2
DCU20-0.5-2.0GHz-1	0.5-2	20±1	±0.7	1.25:1	1.25	20	<0.4	100	SMA-F	133 x 15 x 11	DU3
DCU30-0.5-2.0GHz-1	0.5-2	30±1	±0.7	1.25:1	1.25	20	<0.4	100	SMA-F	133 x 15 x 11	DU4
DCU6-2.0-8.0GHz-1	2-8	6±1	±0.7	1.20:1	1.20	20	<1.3	50	SMA-F	43 x 15 x 11	DU5
DCU10-2.0-8.0GHz-1	2-8	10±1	±0.7	1.20:1	1.20	20	<0.5	50	SMA-F	43 x 15 x 11	DU6
DCU15-2.0-8.0GHz-1	2-8	15±1	±0.7	1.20:1	1.20	20	<0.5	50	SMA-F	43 x 15 x 11	DU7
DCU20-2.0-8.0GHz-1	2-8	20±1	±0.7	1.20:1	1.20	20	<0.4	50	SMA-F	43 x 15 x 11	DU8

Broadband 3dB/90° Hybrid



- Low Insertion Loss
- High Isolation
- Amplitude and Phase Balanced

Part Number	Frequency Range (GHz)	Insertion Loss (dB)	Isolation (dB)	Amplitude Balance (dB)	Phase Balance (deg)	Power Handling (W)	Connector Type	Dimensions in mm	Outline
-------------	-----------------------	---------------------	----------------	------------------------	---------------------	--------------------	----------------	------------------	---------