

NON-MAGNETIC SOLUTIONS

High Power Couplers & Combiners

** Patented, Mismatch Tolerant[®] Designs*

- * Electrical performance unaffected while in presence of magnetic field.
- * High Power, Low Loss designs may operate into high Load VSWR at rated power.
- * Combiners/Dividers available with (Input-Input) Phase Spacing, per customer request.
- * Custom designs available.

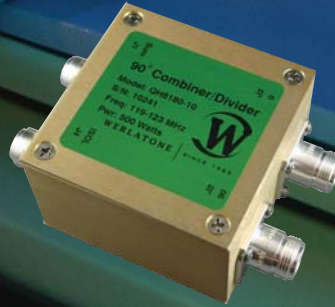
Dual Directional Couplers

Model	Coupling (dB)	Frequency (MHz)	Average Power (Watts CW)	Peak Power (Watts)	Insertion Loss (dB Max)	VSWR	Flatness (± dB)	Size (Inches) (Millimeters)
C7286	40	72-78	400	4,000	0.15	1.15:1	0.35	6 x 3 x 1.1 (152.4 x 76.1 x 27.94)
C7632	50	63-65	400	20,000	0.15	1.15:1	0.30	6 x 3 x 1.6 (152.4 x 76.1 x 40.64)
C8405	60	62-65	3000	16,000	0.15	1.15:1	0.30	6 x 3 x 1.6 (152.4 x 76.1 x 40.64)
C8185	50	74-76	1000	5,000	0.15	1.15:1	0.35	6 x 3 x 1.1 (152.4 x 76.1 x 27.94)
C8653	60	121-125	1000	10,000	0.15	1.20:1	0.50	3 x 3 x 1.1 (76.1 x 76.1 x 27.94)
C8895	50	123-133	200	45,000	0.15	1.20:1	0.50	6 x 3 x 1.1 (152.4 x 76.1 x 27.94)
C6504	50	123-133	2250	20,000	0.15	1.20:1	0.50	6 x 3 x 1.1 (152.4 x 76.1 x 27.94)
C7560	40	126-128	400	4,000	0.15	1.15:1	0.30	3 x 3 x 1.1 (76.1 x 76.1 x 27.94)
C7633	50	126-128	400	4,000	0.15	1.15:1	0.30	3 x 3 x 1.6 (76.1 x 76.1 x 40.64)
C7134	60	125-130	2000	35,000	0.15	1.20:1	0.50	3 x 3 x 1.1 (76.1 x 76.1 x 27.94)
C8406	60	126-129	3000	35,000	0.15	1.20:1	0.50	3 x 3 x 1.6 (76.1 x 76.1 x 40.64)
C6918	50	297-302	1000	5,000	0.15	1.15:1	0.30	3 x 3 x 1.6 (76.1 x 76.1 x 40.64)



Combiners/Dividers

Model	Input-Input (Phase Spacing)	Frequency (MHz)	Average Power (W CW)	Peak Power (Watts)	Insertion Loss (dB Max)	VSWR	Phase Balance	Isolation (dB)	Size (Inches) (Millimeters)
QH3883	2-Way (90°)	63.5-64.5	200	4,000	0.40	1.30:1	5°	30	4.5 x 3.5 x 2.2 (114.3 x 88.9 x 55.88)
QH8180	2-Way (90°)	119-123	500	4,000	0.30	1.20:1	5°	20	3 x 3 x 1.88 (76.2 x 76.2 x 47.752)
DB301	2-Way (0°)	121-124	500	8,000	0.25	1.20:1	3°	20	4 x 2 x 1.5 (101.6 x 50.8 x 38.1)
D7801	8-Way (90°)	121-124	75	7,500	0.75	1.25:1	5°	20	10 x 8 x 2.25 (254 x 203.2 x 57.15)
D7743	16-Way (22.5°)	125-128	400	8,000	0.85	1.40:1	5°	20	12 x 12 x 4 (304.8 x 304.8 x 101.6)
QH8589	2-Way (90°)	126-130	500	5,000	0.30	1.20:1	5°	20	3 x 3 x 1.88 (76.2 x 76.2 x 47.752)
D6861	8-Way (45°)	290-300	200	2,000	0.65	1.25	5°	20	10 x 8 x 2.25 (254 x 203.2 x 57.15)
D7167	16-Way (22.5°)	290-300	400	8,000	0.65	1.30:1	5°	20	12 x 12 x 4 (304.8 x 304.8 x 101.6)
D8066	4-Way (0°)	398-402	1000	2,000	0.40	1.30:1	5°	20	6 x 5 x 2.25 (152.4 x 127 x 57.15)
QH8065	4-Way (90°)	398-402	1000	2,000	0.40	1.30:1	5°	20	6 x 5 x 2.25 (152.4 x 127 x 57.15)
D7169	8-Way (45°)	390-400	200	2,500	0.50	1.25:1	2°	20	10 x 8 x 2.25 (254 x 203.2 x 57.15)
D7976	8-Way (0°)	398-402	400	8,000	0.50	1.25:1	5°	20	10 x 8 x 2.25 (254 x 203.2 x 57.15)
D7977	16-way (0°)	398-402	400	8,000	0.50	1.30:1	5°	20	14 x 12 x 5 (355.6 x 304.8 x 127)



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