



**WERLATONE®**

# WE ARE HIGH POWER

## Surface Mount (SMT) & Drop-In Components

- Multi-Octave Designs
- Superior Electrical Performance
- Send Us Your Specs!
- Excellent Repeatability
- Compact Designs

### Directional Couplers



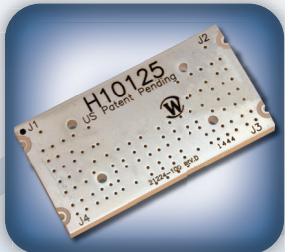
### 0° Combiners



### 90° Hybrid Couplers



### 180° Combiners



#### Directional Couplers

Model	Type	Frequency (MHz)	Power (W CW)	Coupling (dB)	Insertion Loss (dB)	VSWR (ML)	Mounting Style	Size (Inches)
C8740	Dual	20-512	200	40	0.3	1.15:1	Tabs	1.5 x 0.95 x 0.55
C9655	Dual	20-1000	100	30	0.7	1.25:1	Tabs	1.5 x 0.95 x 0.55
C8631	Dual	20-1000	150	40	0.35	1.25:1	Tabs	1.5 x 0.95 x 0.55
C10561	Dual	20-1000	250	50	0.1	1.25:1	SMT	1.35 x 1 x 0.15
C7962	Bi	450-2500	100	30	0.2	1.20:1	SMT	1.15 x 0.7 x 0.07
C8025	Bi	500-3500	125	30	0.3	1.25:1	Drop-In	1.3 x 1 x 0.07
C8098	Bi	800-2000	200	30	0.7	1.20:1	Drop-In	1.3 x 1 x 0.07

#### 0° Combiners/Dividers

Model	Type	Frequency (MHz)	Power (W CW)	Insertion Loss (dB)	VSWR	Isolation (dB)	Mounting Style	Size (Inches)
D9888	2-Way	1000-3000	500	0.35	1.35:1	15	SMT	2.8 x 2.2 x 0.27
D9922	2-Way	2000-6000	200	0.35	1.40:1	15	SMT	1.4 x 1.1 x 0.14

#### Hybrids

Model	Type	Frequency (MHz)	Power (W CW)	Insertion Loss (dB)	VSWR	Amplitude Balance (±dB)	Mounting Style	Size (Inches)
QH10738	90°	20-1000	150	0.8	1.40:1	0.25	Tabs	3 x 2.75 x 1
QH9056	90°	30-520	400	0.8	1.30:1	1.2	Drop-In	4 x 1.7 x 0.29
QH9304	90°	60-1000	150	1.0	1.40:1	1.0	Drop-In	2 x 1 x 0.16
QH8849	90°	80-1000	250	0.65	1.40:1	1.0	Drop-In	2.9 x 2.1 x 0.31
QH8100	90°	100-512	250	0.45	1.30:1	0.5	Drop-In	3.3 x 1.52 x 0.28
QH10245	90°	100-1300	150	0.75	1.30:1	0.75	SMT	2.5 x 1.7 x 0.16
QH8922	90°	150-2000	100	0.75	1.40:1	1.0	SMT	1.47 x 1.13 x 0.16
QH7900	90°	450-2800	125	0.55	1.35:1	0.45	SMT	1.5 x 1.1 x 0.095
QH7622	90°	500-3000	150	0.55	1.35:1	0.6	Drop-In	1.65 x 1.1 x 0.09
QH10541	90°	700-6000	100	0.5	1.35:1	0.6	SMT	0.66 x 0.86 x 0.09
QH10089	90°	800-2800	200	0.35	1.30:1	0.4	SMT	1.25 x 0.55 x 0.08
QH7741	90°	800-3000	200	0.3	1.40:1	0.45	Drop-In	1.35 x 0.65 x 0.09
<b>H10125</b>	<b>180°</b>	<b>1000-3000</b>	<b>350</b>	<b>0.5</b>	<b>1.35:1</b>	<b>0.2</b>	<b>SMT</b>	<b>2.31 x 1.21 x 0.25</b>
QH10637	90°	1000-6500	100	0.65	1.45:1	0.6	SMT	0.86 x 0.66 x 0.09
QH8193	90°	2000-6000	100	0.25	1.30:1	0.75	SMT	0.85 x 0.33 x 0.14
QH10148	90°	2000-6000	100	0.3	1.30:1	0.5	SMT	0.75 x 0.45 x 0.08
<b>H10126</b>	<b>180°</b>	<b>2000-6000</b>	<b>100</b>	<b>0.8</b>	<b>1.35:1</b>	<b>0.4</b>	<b>SMT</b>	<b>1.15 x 0.6 x 0.14</b>
QH10707	90°	2500-5500	200	0.25	1.25:1	0.35	SMT	0.65 x 0.4 x 0.12
QH10651	90°	3000-3500	150	0.2	1.20:1	0.25	SMT	0.56 x 0.35 x 0.1

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