



- ⦿ Industry standard sizes and footprints
- ⦿ Compact and low profile
- ⦿ Optimized for thermal and RF performance
- ⦿ Low insertion loss, tight coupling, low amplitude balance, excellent phase balance
- ⦿ Dimensionally stable materials for best CTE match
- ⦿ Castellated vias for trouble-free mounting and ease of visual inspection
- ⦿ For military and commercial applications
- ⦿ Custom designed couplers to your specifications



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DRAGON™ line of surface mount 3dB hybrid and directional couplers for most demanding high power applications. These couplers offer an optimal balance of thermal and repeatable RF performance.

DRAGON™ couplers have tight coupling, low insertion loss, and good phase tracking while being able to withstand high power and temperature extremes. Materials are dimensionally stable and have excellent CTE match to PTFE based laminates, FR4 type and polyimide boards.

DRAGON™ couplers can be used in both, commercial or military applications.

90° HYBRID COUPLERS

FREQ (MHz)	SIZE (in)	POWER (W)	PART NUMBER
380-520	.650 x .480	200	Q3XD-450R
470-860	.650 x .480	175	Q3XD-665R
800-1000	.560 x .350	175	Q3XG-900R
960-1215	.560 x .350	175	Q3XG-1088R
1000-2000	.560 x .350	85	Q3XG-1500R
1500-2200	.560 x .350	165	Q3XG-1850R
2000-4000	.560 X .350	50	Q3XG-3000R
2300-2700	.250 x .200	80	Q3XA-2500R
2700-3200	.250 x .200	20	Q3XA-2950R
3200-3800	.250 x .200	20	Q3XA-3500R
4000-6000	.250 x .200	20	Q3XA-5000R

DIRECTIONAL COUPLERS

FREQ (MHz)	SIZE (in)	COUPLING (dB)	POWER (W)	PART NUMBER
700-1200	1.00 x .500	30	355	Q30HE-900R
960-1220	1.00 x .500	20	250	Q20HE-1090R
1500-2200	.283 x .197	10	50	Q10HK-1900R
1800-2200	.560 x .350	7.5	175	Q7P5HG-2100R
695-1000	.560 x .350	7.5	175	Q7P5HG-900R
800 -1000	.283 x .197	20	80	Q20HK-900R
800 -1000	.283 x .197	10	80	Q10HK-900R
800 -1000	.283 x .197	15	50	Q10HK-900R
1800-2000	.283 x .197	20	80	Q20HK-1900R
2100-2200	.283 x .197	20	80	Q20HK-2150R

