



SMT COUPLERS

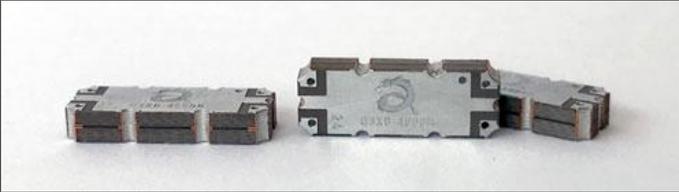
2019

Electro-Photonics LLC

SMT couplers for most demanding applications

SMT 90° HYBRID COUPLERS

DRAGON™ SMT hybrid 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.

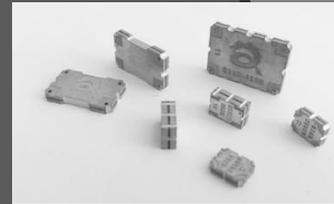


FREQ (MHz)	SIZE (in)	POWER (W)	PART NUMBER
380-520	.650 x .480	200	Q3XD-450R
470-860	.650 x .480	175	Q3XD-665R
800-1000	.560 x .350	175	Q3XG-900R
960-1215	.560 x .350	175	Q3XG-1088R
1000-2000	.560 x .350	85	Q3XG-1500R
1500-2200	.560 x .350	165	Q3XG-1850R
2000-4000	.560 X .350	50	Q3XG-3000R
2300-2700	.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
1700-6000	.560 x .200	85	Q3XB-4000R



SMT DIRECTIONAL COUPLERS

Our directional couplers have low insertion loss, high power capability, high directivity, flat coupling in a small package. These directional couplers are wideband and suitable for various applications such as signal sampling, signal injection, source leveling, signal isolation, power monitoring, reflection measurement and more.



FREQ (MHz)	SIZE (in)	COUPLING (dB)	POWER (W)	PART NUMBER
700-1200	1.00 x .500	30	35	Q30HE-900R
960-1220	1.00 x .500	20	250	Q20HE-1090R
1800-2000	.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	80	Q15HK-900R
1800-2000	.283 x .197	20	80	Q20HK-1900R
2100-2200	.283 x .197	20	80	Q20HK-2150R
7000-12000	.250 x .200	12	20	Q10HA-9500R
7000-12000	.250 x .200	22	20	Q20HA-9500R



SMA 90° HYBRID COUPLERS



A 90 degree hybrid coupler is a four-port device used to equally split an input signal into two signals with a 90 degree phase shift between them. The 90 degree hybrid coupler can also be used to combine two signals while maintaining high isolation between them.

SMA hybrid couplers have low insertion loss, VSWR, and high-power capability. These hybrid couplers are suitable for various applications such as signal splitting/combining, antenna beam-forming networks, RF amplifiers, test & measurement, and more.

FREQ (MHz)	SIZE (in)	POWER (W)	PART NUMBER
960-1215	1.60 x 1.10	85	Q3XG-1088R-SMA
1000-2000	1.60 x 1.10	65	Q3XG-1500R-SMA
2000-4000	1.60 x 1.10	30	Q3XG-3000R-SMA
1700-6000	1.60 x 1.10	50	Q3XB-4000R-SMA



SMA DIRECTIONAL COUPLERS



High performance connectorized directional couplers in a very small, compact package. Our directional couplers have low insertion loss, high power capability, high directivity, flat coupling in a small package.

These directional couplers are wideband and suitable for various applications such as signal sampling, signal injection, source leveling, signal isolation, power monitoring, reflection measurement and more

FREQ (MHz)	SIZE (in)	POWER (W)	PART NUMBER
1500-2200	1.60 x 1.10	15	Q10HK-1900R-SMA
7000-12000	1.69 x .67	50	EPD9500-30-SMA



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