

21. QUADRATURE HYBRIDS-90deg -WIDE BAND-SMD Package (GND Pins, Case grounded internally.)

Model Name	Frequency Range (Hz)	Power Rating (W)	Insertion Loss (dB)		Amplitude Balance Max(dB)	Phase Balance Max(deg)	Isolation min (dB)	Impedance nom ( $\Omega$ )	VSWR Max (dBm)	Page
			Typ	Max						
PQW140	115M-165M	1	0.5	1.5	1.5	$\pm 5$	18.0	50	1.4	
PQW340	300M-380M	1	0.5	1.5	1.5	$\pm 5$	18.0	50	1.3	
PQW660	510M-810M	1	0.5	1.5	1.5	$\pm 5$	18.0	50	1.4	

22. QUADRATURE HYBRID-90deg -FIXED EBAND-SMD Package (GND Pins, Case grounded internally.)

PDQ***	$f_0 \pm 5\%$	1	0.3	0.5	1.0	$\pm 2$	19.0	50	1.3	
--------	---------------	---	-----	-----	-----	---------	------	----	-----	--

23. QUADRATURE HYBRIDS-90deg -WIDE BAND-8pins Package (GND Pins, Case grounded internally.)

PDQ004	3M- 5M	1	0.5	1.0	2.0	5.0	18.0	50	1.3	
PDQ011	9.7M-11.7M	1	0.4	0.7	1.2	5.0	18.0	50	1.4	
PDQ015	10M- 20M	1	0.4	0.7	1.5	5.0	13.0	50	1.5	
PDQ022	15M- 28M	2	0.4	0.7	1.2	4.0	18.0	50	1.3	
PDQ025	20M- 30M	1	0.4	0.7	1.2	4.0	15.0	50	1.3	
PDQ035	25M- 45M	2	0.4	0.7	1.2	4.0	20.0	50	1.4	
PDQ050	35M- 65M	2	0.4	0.7	1.2	4.0	20.0	50	1.3	
PDQ073	55M- 90M	2	0.4	0.7	1.2	4.0	20.0	50	1.3	
PDQ115	80M-150M	2	0.4	0.7	1.2	4.0	15.0	50	1.4	
PDQ160	120M-200M	2 $\Delta 1$	0.4	0.8	1.5	4.0	15.0	50	1.5	
PDQ188	125M-250M	1	0.4	0.7	1.5	4.0	18.0	50	1.3	
PDQ200	160M-240M	1	0.4	0.8	1.5	4.0	15.0	50	1.4	
PDQ250	200M-300M	2	0.4	0.8	1.5	4.0	15.0	50	1.6	
PDQ281	187M-375M	2	0.4	0.8	1.5	4.0	15.0	50	1.4	
PDQ290	240M-340M	2	0.5	1.0	1.5	4.0	15.0	50	1.3	
PDQ400	350M-450M	1	0.4	0.7	1.2	3.0	13.0	50	1.5	

24. DIRECTIONAL COUPLERS-SMD Package (GND Pins, Case grounded internally.)

Model Name	Frequency Range (Hz)	Main Line Loss (dB)		Directivity (dB)		Coupling nom (dB)	Coupling Flatness Max(dB)	VSWR Max All Port (dBm)	Power Rating (W)	Page
		Typ	Max	Typ	Min					
DCL010	5M- 500M	1.0	2.0	22.0	18.0	13.0	$\pm 0.8$	1.3	1	
DCL020	10M-1000M	1.0	2.0	25.0	20.0	15.5	$\pm 0.8$	1.3	1	
DCL030	10M-2000M	1.5	2.0	20.0	15.0	14.0	$\pm 1.5$	1.3	1	

25. DIRECTIONAL COUPLERS-8pins Package (GND Pins, Case grounded internally.)

DCL500	1M- 500M	0.5	1.0	25.0	20.0	13.0	$\pm 0.8$	1.4	1	
DCL510	1M-1000M	1.6	2.0	30.0	20.0	11.0	$\pm 0.8$	1.5	1	

\* CHANGE  $\Delta 1$  03/Jul./2014

R&K reserves the right to make changes in the specifications of or discontinue products at any time without notice. R&K products shall not be used for or in connection with equipment that requires an extremely high level of reliability and safety such as aerospace uses or medical life support equipment. Further, R&K cannot export products to any country for use in military or defense applications.

## R&K Company Limited

721-1 Maeda, Fuji-City, Shizuoka-Pref. 416-8577 Japan  
 Tel: +81-545-31-2600 E-mail: info@rkco.jp  
 Fax: +81-545-31-1600 URL: http://rk-microwave.com