

DIRECTIONAL COUPLERS

CONNECTORIZED PACKAGES

Directional
Couplers

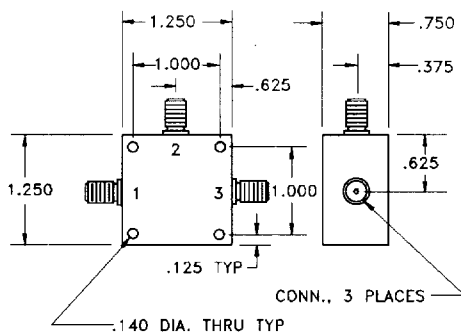
Frequency Range (MHz)	Coupling (dB)	(1) Insertion Loss (dB) max.	Coupling Flatness ($\pm$ dB) max.	Directivity (dB) min.	VSWR max.	(2) Input Power (watts) max.	P/N
0.3-50	10.0 $\pm$ 0.5	1.2	0.25	30	1.20:1	3	C1-01*
0.3-50	11.5 $\pm$ 0.5	1.2	0.25	30	1.20:1	3	C2-01*
0.3-50	15.0 $\pm$ 0.5	1.0	0.25	25	1.20:1	3	C3-01*
0.3-50	20.0 $\pm$ 0.5	0.4	0.25	20	1.20:1	3	C4-01*
0.3-50	30.0 $\pm$ 0.5	0.4	0.25	20	1.20:1	3	C5-01*
0.01-35	15.0 $\pm$ 0.5	0.6	0.30	25	1.30:1	10	C3-P2-411
10-100	6.5 $\pm$ 0.5	2.2	0.25	30	1.20:1	2	C0-03*
0.5-100	10.0 $\pm$ 0.5	0.8	0.25	30	1.20:1	3	C1-03*
0.5-100	11.5 $\pm$ 0.5	0.8	0.25	30	1.20:1	3	C2-03*
0.5-100	15.0 $\pm$ 0.5	0.5	0.25	25	1.20:1	3	C3-03*
0.5-100	20.0 $\pm$ 0.5	0.4	0.25	25	1.20:1	3	C4-03*
0.5-100	30.0 $\pm$ 0.5	0.4	0.25	20	1.20:1	2	C5-03*
0.5-250	10.0 $\pm$ 0.5	1.2	0.30	25	1.30:1	3	C1-04*
0.5-250	11.5 $\pm$ 0.5	1.0	0.25	25	1.30:1	3	C2-04*
0.5-250	15.0 $\pm$ 0.5	0.7	0.25	25	1.30:1	3	C3-04*
0.5-250	19.5 $\pm$ 0.5	0.6	0.30	25	1.30:1	10	C4-P4-411
0.5-250	20.0 $\pm$ 0.5	0.6	0.25	22	1.30:1	3	C4-04*
0.5-250	30.0 $\pm$ 0.5	0.6	0.25	20	1.30:1	2	C5-04*
30-400	20.0 $\pm$ 0.5	0.5	0.40	25	1.30:1	25	C4-P5-411
5-500	6.5 $\pm$ 0.5	2.3	0.50	20	1.30:1	2	C0-06*
0.5-500	10.0 $\pm$ 0.5	1.2	0.40	25	1.30:1	3	C1-06*
0.5-500	11.5 $\pm$ 0.5	1.0	0.40	25	1.30:1	3	C2-06*
0.5-500	15.0 $\pm$ 0.5	0.8	0.25	23	1.30:1	2	C3-06*
0.5-500	20.0 $\pm$ 0.5	0.7	0.25	22	1.30:1	3	C4-06*
0.5-500	30.0 $\pm$ 0.5	0.7	0.25	20	1.30:1	2	C5-06*
1-750	10.0 $\pm$ 0.5	1.5	0.40	25	1.30:1	2	C1-07*
1-750	11.5 $\pm$ 0.5	1.3	0.40	25	1.30:1	2	C2-07*
1-750	15.0 $\pm$ 0.5	1.2	0.40	23	1.30:1	2	C3-07*
1-750	20.0 $\pm$ 0.5	0.8	0.40	23	1.30:1	2	C4-07*
1-750	30.0 $\pm$ 0.5	0.8	0.40	20	1.30:1	2	C5-07*
10-1000	6.5 $\pm$ 0.5	2.5	0.50	16	1.50:1	1	C0-08*
5-1000	10.0 $\pm$ 0.5	1.6	0.50	23	1.30:1	3	C1-08*
5-1000	11.5 $\pm$ 0.5	1.6	0.50	23	1.30:1	3	C2-08*
5-1000	15.0 $\pm$ 0.5	1.5	0.50	20	1.30:1	3	C3-08*
5-1000	20.0 $\pm$ 0.5	1.2	0.50	20	1.30:1	1	C4-08*
5-1000	30.0 $\pm$ 0.5	1.2	0.50	20	1.30:1	1	C5-08*
800-1000	11.5 $\pm$ 0.5	0.8	1.00	20	1.30:1	2	C2-09-411
800-1000	19.5 $\pm$ 0.5	0.8	0.50	20	1.30:1	2	C4-09-411
800-1000	20.0 $\pm$ 0.5	0.8	0.50	20	1.30:1	25	C4-P9-411
800-1000	30.0 $\pm$ 0.5	1.0	0.20	20	1.30:1	2	C5-09-411
1-2000	10.0 $\pm$ 1.0	2.7	1.00	18	1.60:1	1	C1-10*

* Available in outline # 411 & 414 - SMA female connectors standard, see page 98 for more information.
Dual couplers, other frequency ranges, coupling values and higher power models available, consult factory

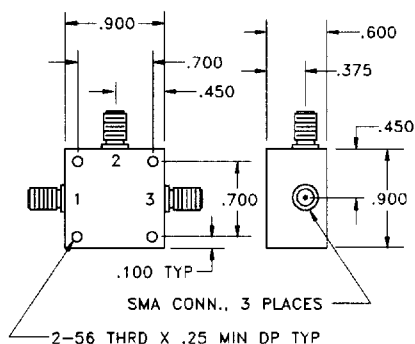
PULSAR MICROWAVE CORPORATION

DIRECTIONAL COUPLERS

CONNECTORIZED PACKAGES



Outline 411



Outline 414

Port Configuration

Outline	Input	Output	Coupled	Ground
411	1	3	2	Housing
414	1	3	2	Housing

Notes: (1) Does not include coupling loss.
(2) For load VSWR better than 1.2:1.