

DIRECTIONAL COUPLERS

PIN/SURFACE MOUNT PACKAGES

Directional Couplers

Frequency Range (MHz)	Coupling (dB)	(1) Insertion Loss (dB) min.	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-*
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	22	1.20:1	3	C3-03-*
0.5-100	20.0 \pm 0.5	0.4	0.25	20	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	23	1.30:1	3	C1-04-*
0.5-250	11.5 \pm 0.5	1.0	0.25	23	1.30:1	3	C2-04-*
0.5-250	15.0 \pm 0.5	0.7	0.25	22	1.30:1	3	C3-04-*
0.5-250	20.0 \pm 0.5	0.6	0.25	20	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	20	1.30:1	10	C4-P5-102
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	23	1.30:1	2	C1-06-*
0.5-500	11.5 \pm 0.5	1.0	0.40	23	1.30:1	2	C2-06-*
0.5-500	15.0 \pm 0.5	0.8	0.25	23	1.30:1	3	C3-06-*
0.5-500	20.0 \pm 0.5	0.7	0.25	20	1.30:1	3	C4-06-*
0.5-500	30.0 \pm 0.5	0.7	0.25	20	1.30:1	3	C5-06-*
1-750	10.0 \pm 0.5	1.5	0.40	23	1.30:1	2	C1-07-*
1-750	11.5 \pm 0.5	1.3	0.40	23	1.30:1	2	C2-07-*
1-750	15.0 \pm 0.5	1.2	0.40	20	1.30:1	2	C3-07-*
1-750	20.0 \pm 0.5	0.8	0.40	20	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	20	1.30:1	3	C1-08-*
5-1000	11.5 \pm 0.5	1.6	0.50	20	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	1.40:1	3	C2-09-**
800-1000	20.0 \pm 0.5	0.8	0.50	20	1.30:1	5	C4-09-102
800-1000	30.0 \pm 0.5	1.0	0.20	20	1.30:1	3	C5-09-**
1-2000	10.0 \pm 1.0	2.7	1.00	15	1.50:1	1	C1-10-**

* Available in outline # 102, 107, 108, 301 & A

** Available in outline # 102 & A

Notes: (1) Does not include coupling loss.

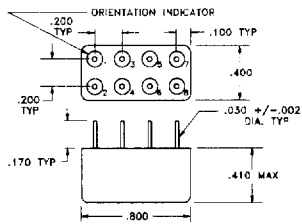
(2) For load VSWR better than 1.2:1.

(3) Dual couplers, other frequency ranges, coupling values & higher power models available, consult factory.

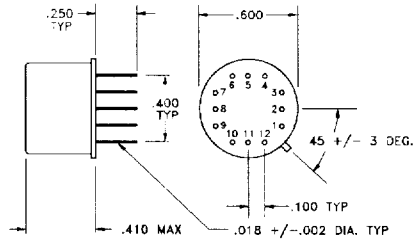
PULSAR MICROWAVE CORPORATION

DIRECTIONAL COUPLERS

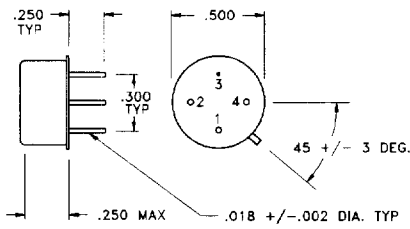
PIN/SURFACE MOUNT PACKAGES



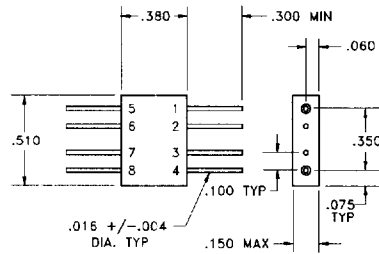
Outline 102



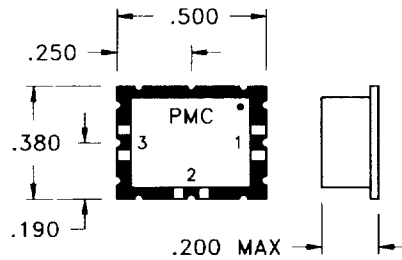
Outline 107



Outline 108



Outline 301



Outline A

Directional Couplers

Port Configuration

Outline	Input	Output	Coupled	Ground
102	1	4	3	2,5-8
107	5	8	2	1,3,4,6,7,9-12
108	1	2	4	3
301	1	5	4	2,3,6-8
A	1	3	2	4 Corners