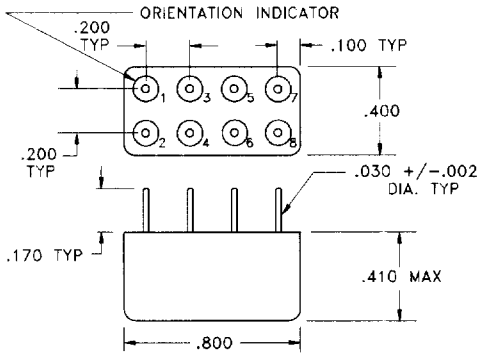
90° HYBRIDS-10% BANDWIDTH

Center Frequency (MHz)	Frequency Range (MHz)	Insertion Loss (dB) max.	Isolation (dB) min.	Amplitude Balance (dB) max.	Phase Balance (Deg) max.	VSWR max.	P/N
1.25	1.18-1.31	0.3	25	0.7	2.0	1.20:1	QT-01-*
1.55	1.47-1.63	0.3	25	0.7	2.0	1.20:1	QT-02-*
3.40	3.23-3.57	0.3	25	0.7	2.0	1.20:1	QT-03-*
4.00	3.80-4.20	0.3	25	0.7	2.0	1.20:1	QT-04-*
6.40	6.08-6.72	0.3	25	0.7	2.0	1.20:1	QT-05-*
7.50	7.12-7.87	0.3	25	0.7	2.0	1.20:1	QT-06-*
10.0	9.50-10.5	0.3	25	0.7	2.0	1.20:1	QT-07-*
10.8	10.2-11.3	0.3	25	0.7	2.0	1.20:1	QT-08-*
14.0	13.3-14.7	0.3	25	0.7	2.0	1.20:1	QT-09-*
17.5	16.6-18.4	0.3	25	0.7	2.0	1.20:1	QT-10-*
20.0	19.0-21.0	0.3	25	0.7	2.0	1.20:1	QT-11-*
21.4	20.3-22.4	0.3	25	0.7	2.0	1.20:1	QT-12-*
30.0	28.5-31.5	0.3	25	0.7	2.0	1.20:1	QT-13-*
40.0	38.0-42.0	0.3	25	0.7	2.0	1.20:1	QT-14-*
60.0	57.0-63.0	0.3	25	0.7	2.0	1.20:1	QT-15-*
63.0	59.9-66.2	0.3	25	0.7	2.0	1.20:1	QT-16-*
70.0	66.5-73.5	0.3	25	0.7	2.0	1.20:1	QT-17-*
80.0	76.0-84.0	0.3	25	0.7	2.0	1.20:1	QT-18-*
100	95.0-105	0.3	25	0.7	2.0	1.20:1	QT-19-*
120	114-126	0.3	25	0.7	2.0	1.20:1	QT-20-*
140	133-147	0.3	25	0.7	2.0	1.20:1	QT-21-*
200	190-210	0.3	25	0.7	2.0	1.20:1	QT-22-*
300	285-315	0.3	23	0.8	2.0	1.30:1	QT-23-*
450	428-473	0.4	22	0.9	2.0	1.30:1	QT-24-*
600	570-630	0.4	20	1.0	2.0	1.30:1	QT-25-*
800	760-840	0.5	20	1.0	3.0	1.30:1	QT-26-*
820	779-861	0.5	20	1.0	3.0	1.30:1	QT-27-*
885	840-930	0.5	20	1.0	3.0	1.30:1	QT-28-*
947	900-995	0.5	20	1.0	3.0	1.40:1	QT-29-*
1000	950-1050	0.5	20	1.0	3.0	1.40:1	QT-30-*

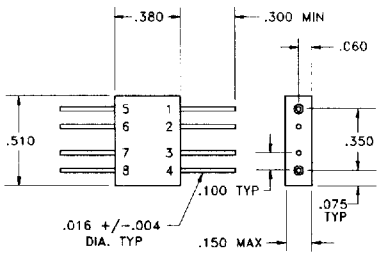
* Available in outline # 102, 301, 412, B, & D
SMA female connectors standard in outline # 412, refer to page 98 for more information.

Notes: Power rating 1 watt max. for load VSWR better than 1.20:1.
Higher power models available, consult factory.

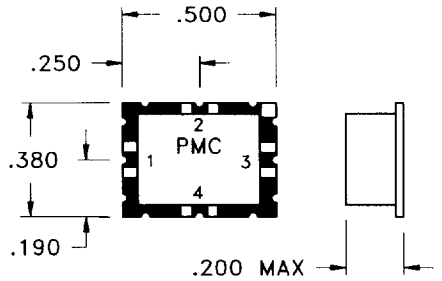
90° HYBRIDS-10% BANDWIDTH



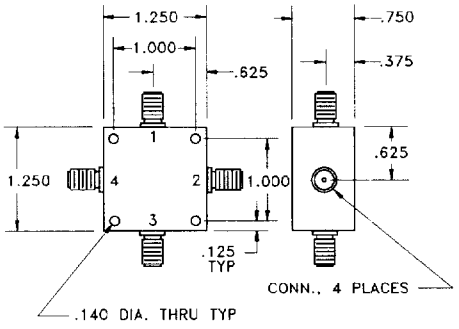
Outline 102



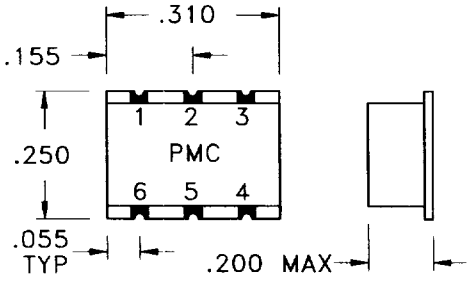
Outline 301



Outline B



Outline 412



Outline D

Port Configuration					
Outline	**Input**	**90° Output**	**0° Output**	**Isolated**	**Ground**
102	1	5	2	6	3,4,7,8
301	1	5	8	4	2,3,6,7
412	1	4	2	3	Housing
B	1	4	3	2	4 Corners
D	1	6	4	3	2,5

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