

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	MODEL
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-*
100.0	95.0-105.0	0.3	25	0.7	2.0	1.20:1	QT-19-*
120.0	114-126	0.3	25	0.7	2.0	1.20:1	QT-20-*
140.0	133-147	0.3	25	0.7	2.0	1.20:1	QT-21-*
200.0	190-210	0.3	25	0.7	2.0	1.20:1	QT-22-*
300.0	285-315	0.3	23	0.8	2.0	1.30:1	QT-23-*
450.0	428-473	0.4	22	0.9	2.0	1.30:1	QT-24-*
600.0	570-630	0.4	20	1.0	2.0	1.30:1	QT-25-*
800.0	760-840	0.5	20	1.0	3.0	1.30:1	QT-26-*
820.0	810-830	0.5	20	1.0	3.0	1.30:1	QT-27-*
885.0	869-900	0.5	20	1.0	3.0	1.30:1	QT-28-*
947.0	935-960	0.5	20	1.0	3.0	1.40:1	QT-29-*
1000.0	950-1050	0.5	20	1.0	3.0	1.40:1	QT-30-*
1200.0	1140-1260	0.5	20	1.0	4.0	1.50:1	QT-31-*
1500.0	1425-1575	0.5	18	1.0	5.0	1.50:1	QT-32-*
1842.0	1805-1880	0.5	15	1.0	5.0	1.50:1	QT-33-*

* Available In Outline # 102, 301, C & D

* Available In Outline # 412 - SMA Female Connectors Are Standard, With No Suffix Required

Outline 412 Is Available With BNC, TNC & N Connectors - Specify By Adding B, T Or N Suffix At End Of Model #

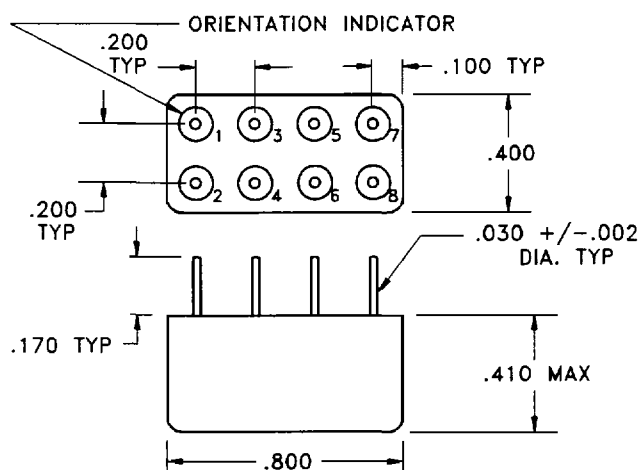
Power Rating 1 Watt For Load VSWR Better Than 1.2:1 - Higher Power Models Available - Consult Factory

PULSAR MICROWAVE CORPORATION

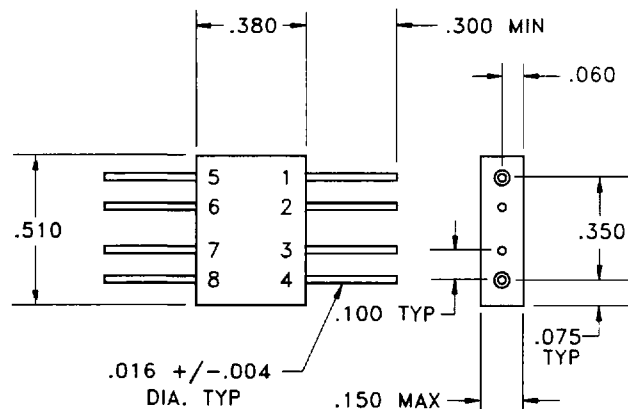
48 INDUSTRIAL WEST - CLIFTON, NEW JERSEY 07012

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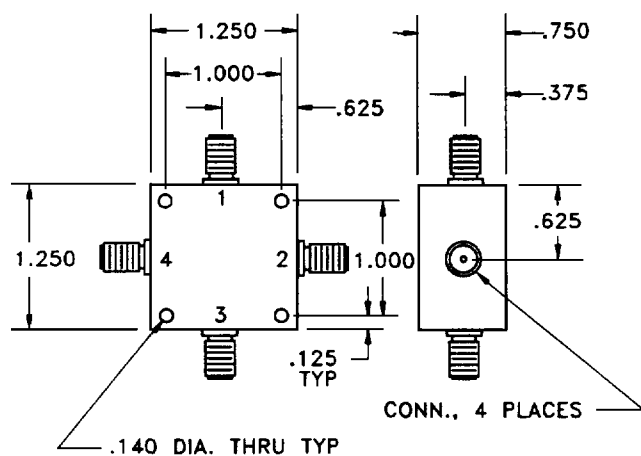
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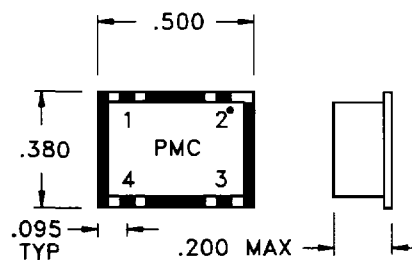
OUTLINE 102



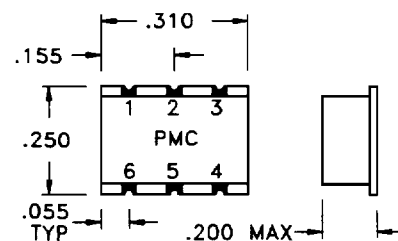
OUTLINE 301



OUTLINE 412



OUTLINE C



OUTLINE D

PORT CONFIGURATION

OUTLINE	INPUT	90 Deg OUT	0 Deg OUT	ISOLATED	GROUND
102	1	2	5	6	3, 4, 7, 8
301	1	5	8	4	2, 3, 6, 7
412	1	4	2	3	HOUSING
C	1	4	3	2	4 CORNERS
D	1	6	4	3	2, 5

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