

# BI-PHASE MODULATORS

Frequency Range (MHz)	Insertion Loss (dB) max.	Input Power (dBm) max.	(1) Amplitude Balance (dB) max.	Phase Balance (Deg) max.	VSWR max.	P/N
1-400	3.0	+10	0.2	2.0	1.70:1	BP-01-*
10-900	4.5	+10	0.4	2.0	1.70:1	BP-02-*
5-1000	4.5	+10	0.4	4.0	1.80:1	BP-03-*
40-1200	4.5	+10	0.4	4.0	2.00:1	BP-04-*
500-2500	6.0	+10	0.7	5.0	2.00:1	BP-05-*

\* Available in outline # 102, 107, 301, 411, 412, & A  
SMA female connectors standard on outline # 411 & 412, refer to page 98 for more information.

Notes: Control currents are  $\pm 20$  mA DC.  
Other outlines & frequencies are available, please consult factory.

## Port Configuration

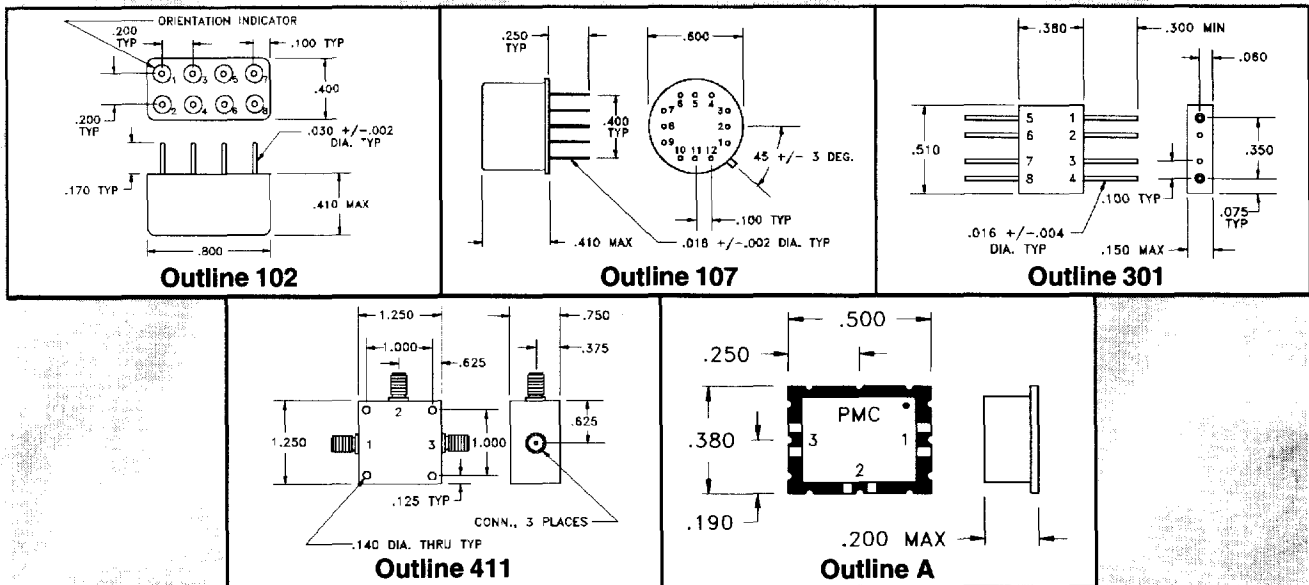
Outline	Input	Output	D - 1	Ground
102	8	1	3,4*	2,7
107	2	8	11	1,3,4,6,7,9,10,12
301	4	1	5	2,3,6,7,8
411	1	3	2	Housing
412	1	3	2	Housing
A	1	3	2	4 Corners

## Control Table

Phase	D - 1 (mA)
0°	+20
180°	-20

\* Pins must be connected together externally.

Modulators/  
Demodulators



# PULSAR MICROWAVE CORPORATION