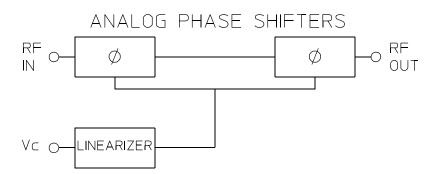
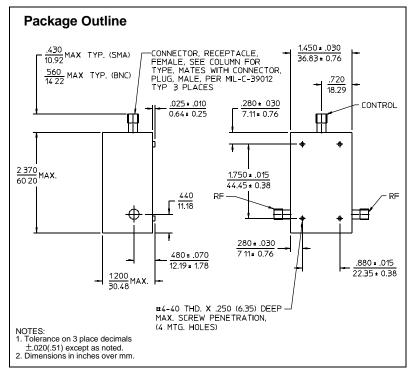
10 to 500 MHz / 0° to 180° Coverage / 10% Bandwidth / Voltage Controlled / SMA or BNC





PRINCIPAL SPECIFICATIONS								
SMA Model Number	BNC Model Number	Center Freq, fo, Range, MHz	Phase Shift @ fo	Linearity @ fo	Percent AM	Insertion Loss, dB, Max.	Fø VSWR Max.	Weight oz (g)
PLM-3B-***B	PLB-3B-***B	10 to 500	180°	5%	5%	2	1.5:1	3.4 (95)
For complete Model Number replace *** with desired center frequency, fo in MHz.								



General Notes:

- 1. The PLB & PLM series use a control voltage of 0 to +15V to vary relative phase across a 180° range.
- 2. Each phase shifter element employs quadrature hybrids with matched pairs of varactor tuned LC networks acting as sliding short circuits on the outputs. The electrical length of this short circuit controls the delay in the reflected signal appearing at the isolated port of each quadrature hybrid.
- 3. These units are suitable for high reliability and space applications.

GENERAL SPECIFICATIONS

 $\begin{array}{lll} \mbox{Bandwidth:} & 10\% \mbox{ of } f_0 \\ \mbox{Modulation Rate:} & 1\% \mbox{ of } f_0 \mbox{ nom.} \\ \mbox{Impedance:} & 50 \ \Omega \mbox{ nom.} \\ \mbox{Input Power:} & -10 \mbox{ dBm max.} \end{array}$

Control Voltage

for full range: 0 to +15 V max.

Response Time:

(50 Ω source): 50 μs max. Phase Stability, typical: 0.2° per °C Operating Temperature: -55° to +85°C

