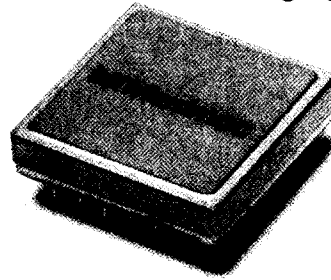


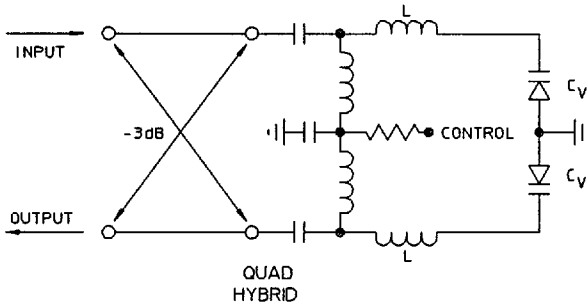


PEP-3R series

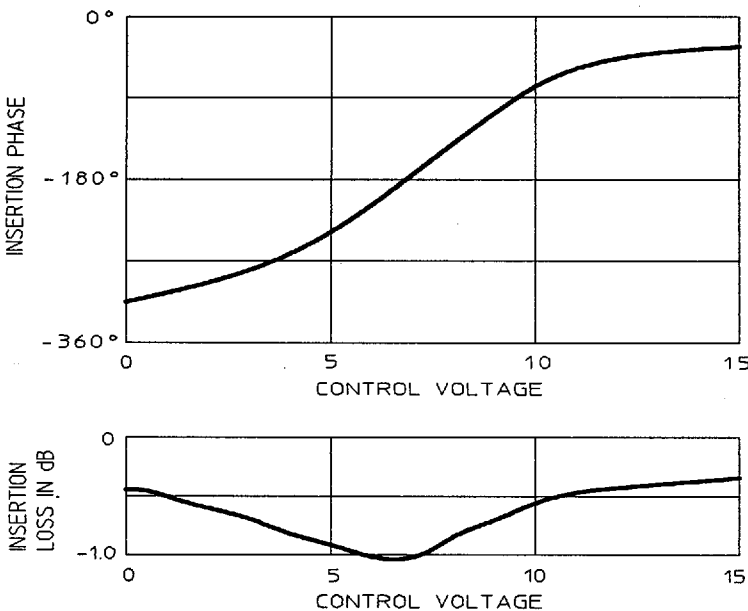
VOLTAGE VARIABLE PHASE SHIFTER
0° to -180°, Continuous
PC Mount



- Catalog and Custom from 10 MHz to 500 MHz
- Continuous 0 to 180° Adjustment
- Minimum Insertion Loss
- Low 0.2" Space-Saving, Hermetic Package



Typical Characteristics of PEP-3R-160



The PEP-3R series of electronically controlled phase shifters, covers the 10 to 500 MHz band in a space saving PC package.

Such phase shifters find frequent application in systems requiring automatic phase control, closed loop feedback networks and steering of electronically scanned antennas. Merrimac Phase Shifters are designed for high reliability, and can be supplied screened to meet military and space applications.

Model Number	Center Frequency, f_0	Bandwidth RF (MHz)
PEP-3R-30	30 MHz	3
PEP-3R-60	60 MHz	6
PEP-3R-70	70 MHz	7
PEP-3R-160	160 MHz	16
PEP-3R-300	300 MHz	30
PEP-3R-***B	10 - 500 MHz	10% of f_0

For complete Model Number replace *** with desired Center Frequency, f_0 in MHz.

COMMON SPECIFICATIONS

RF Characteristics

Phase Shift Range @ f_0 :	180° Min.
Insertion Loss:	1.5 dB Max.
Impedance:	50 Ω nom.
VSWR:	1.6:1 max.
Input Power:	-10 dBm Max.

Control Characteristics

Control Voltage:	0.5 to +15 V Typ.
	0.5 to +30 V Max.

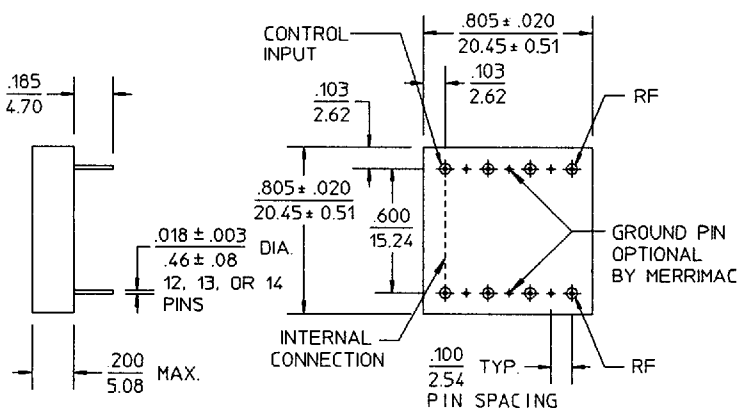
Modulation Rate, max: 1% of f_0

General Characteristics

Phase Stability:	0.1°/°C
Operating Temperature:	-20° to +85°C
Weight, nominal:	0.32 oz. (9 g)

Contact MERRIMAC for further details. (1/92)

Meri-Pac™ R-Package Outline



- NOTES: 1. Tolerance on 3 place decimals $\pm .010(.25)$ except as noted.
2. Dimensions in inches over millimeters.
3. Lead dimensions apply only at body.
4. All unmarked pins are case ground.