

# Phase Shifter

## 28.5 - 31.5 MHz

PM-111

V2.00

### Features

- Low Loss – 0.8 dB Typical
- 180° Phase Range
- Hermetic Flatpack

### Guaranteed Specifications\*

(From – 55°C to + 85°C)

Frequency Range	28.5-31.5 MHz
Insertion Loss	1.2 dB Max
VSWR (All Ports)	1.6:1 Max
Phase Shift Range	180° Min

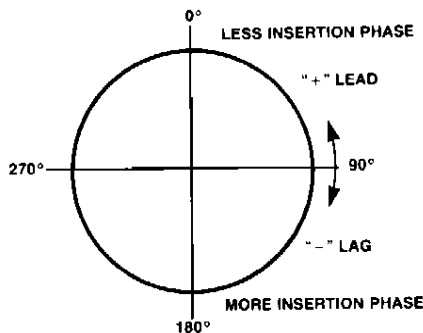
### Operating Characteristics

Impedance	50 Ohms Nominal
Maximum Rating	1 mW
RF Input	
Control Voltage	0 to + 30 VDC
Control Bandwidth	DC to 80 kHz

**Environmental**  
MIL-STD-883 screening available.

**Pin Configuration** IN; P7, Out; P14,  
Control DC IN: P1 & P8.  
All other pins and case are ground.

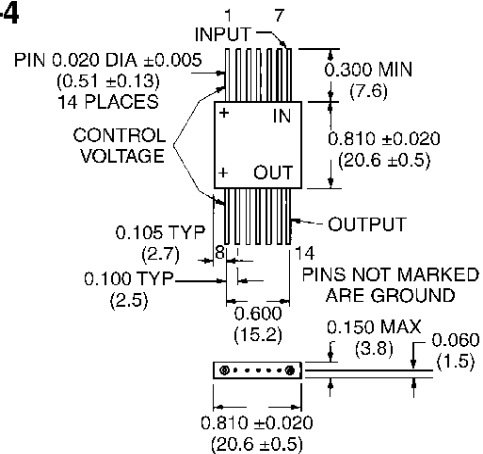
\* All specifications apply with 50 ohm source and load impedance.



### Ordering Information

<b>Model No.</b>	<b>Package</b>
PM-111 PIN	Flatpack

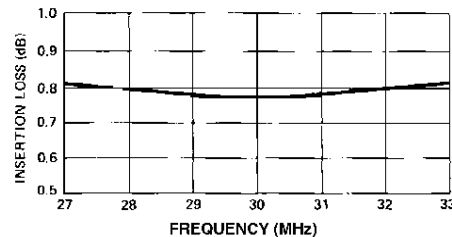
### FP-4



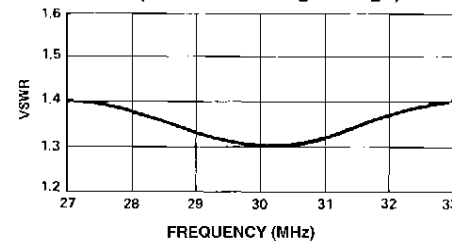
Dimensions in ( ) are in mm.  
Unless Otherwise Noted: .xxx = ±0.010 (.xx = ±0.25)  
.xx = ±0.02 (.x = ±0.5)  
WEIGHT (APPROX.): 0.21 OUNCES 6 GRAMS

### Typical Performance

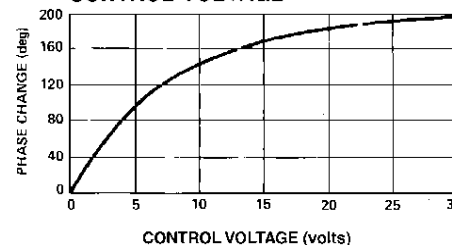
#### INSERTION LOSS (Max over Voltage Range)



#### VSWR (Max over Voltage Range)



#### PHASE CHANGE VS CONTROL VOLTAGE\*\*



Specifications Subject to Change Without Notice.

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