

# Surface Mount Voltage Variable Phase Shifter 2400-2500 MHz

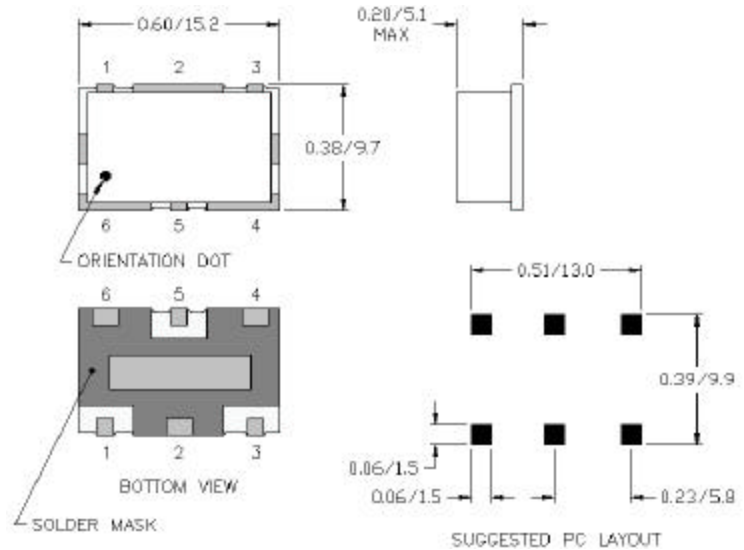
**Package Style 36  
VP242C-36C1**

## Key Features

- Low Loss - 0.9 dB
- Phase Shift - 130°
- Solder Reflow to +240°C

## Guaranteed Specifications

|                       |                |            |
|-----------------------|----------------|------------|
| Insertion Loss (dB)   | TYP<br>0.8     | MAX<br>1.5 |
| Phase Shift (deg)     | TYP<br>130     | MIN<br>120 |
| Return Loss (dB)      | 23             | 16         |
| Control Voltage       | 0 to +15V      |            |
| Control Current       | 20 $\mu$ A MAX |            |
| DC Bias               | Not Required   |            |
| RF Power              | 0 dBm NOM      |            |
| Operating Temperature | -40°C to 85°C  |            |
| Storage Temperature   | -55°C to 105°C |            |



Dimensions are in inches/ mm

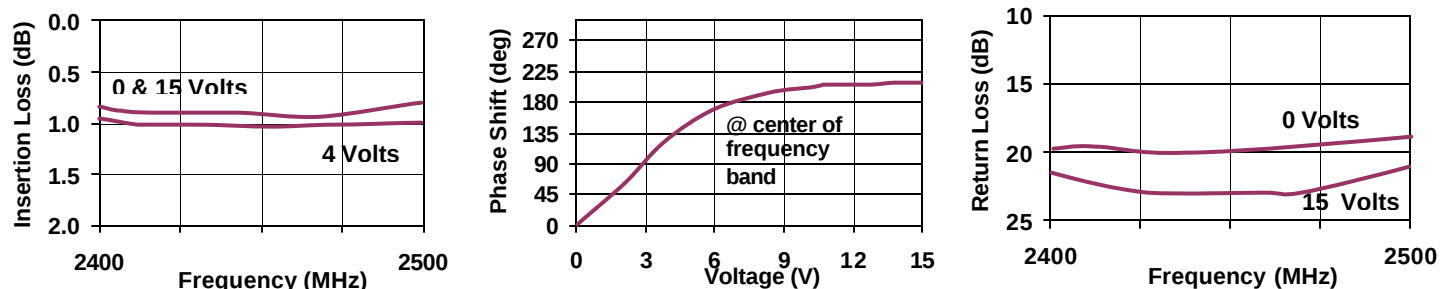
Unless Otherwise Noted: .xx =  $\pm 0.02 / 0.50$   
.xxx =  $\pm 0.010 / 0.250$

1. Specifications guaranteed in a 50 ohm test system
2. Available in Tape and Reel
3. Group Delay variation less than 1 nanosecond

## Pin Configuration

| Function        | Pin        |
|-----------------|------------|
| IN              | 1          |
| OUT             | 3          |
| Control Voltage | 5          |
| GND             | all others |

## Typical Performance



Specifications Subject to Change Without Notice

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