

# PHASE SHIFTER

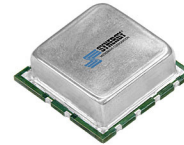
## SURFACE MOUNT MODEL: PS-921

**2:1 BANDWIDTH**

**Fc = 15 MHz**

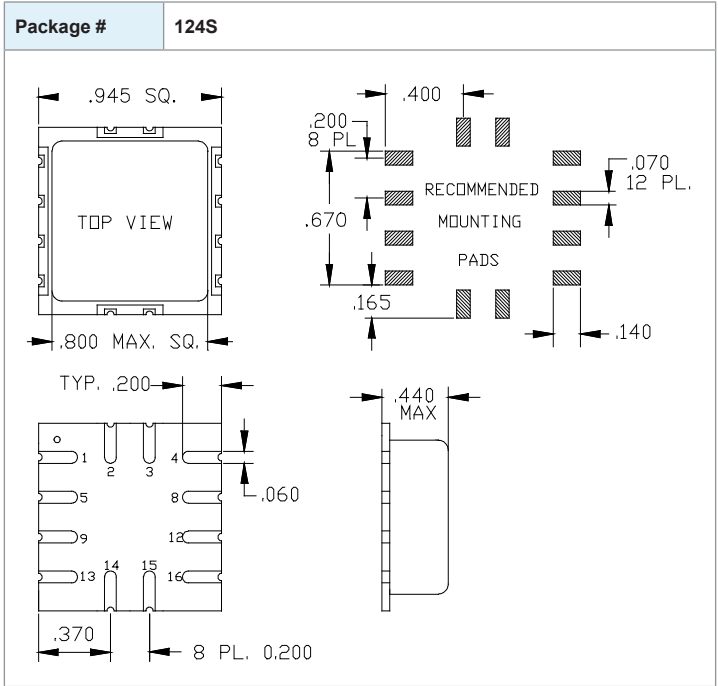
**FEATURES:**

- ▶ Over 180° of Phase Shift
- ▶ Low Tuning Voltage
- ▶ Excellent Performance
- ▶ Low VSWR
- ▶ High Efficiency



**SPECIFICATIONS (Rev. C 01/17/14)**

|                             |                     |       |
|-----------------------------|---------------------|-------|
| Frequency                   | 10 - 20 MHz         |       |
| Insertion Loss (dB)         | Typ.                | Max.  |
|                             | 1.3                 | 1.8   |
| Control Bandwidth           | DC to 50 kHz (Min.) |       |
| Control Voltage             | 0 - 12 Volts        |       |
| Phase Shift                 | 180° (Min.)         |       |
| VSWR                        | Typ.                | Max.  |
|                             | 1.5:1               | 1.7:1 |
| Input Power                 | 0 dBm (Max.)        |       |
| Impedance                   | 50 Ohms (Nom.)      |       |
| Operating Temperature Range | -40 to +85 °C       |       |



**Absolute Maximum Ratings**

|                     |                |
|---------------------|----------------|
| Storage Temp. Range | -55 to +100 °C |
| RF Input Power      | 20 dBm         |
| Control Voltage     | +20 V          |

| PORT CONFIGURATION |        |         |            |
|--------------------|--------|---------|------------|
| Input              | Output | Control | Case GND   |
| 1                  | 13     | 4       | All Others |

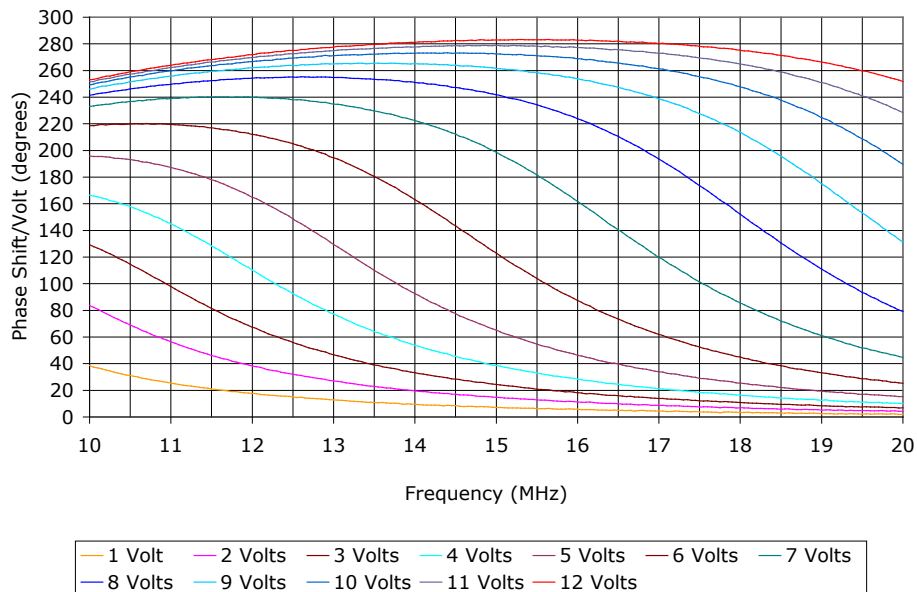
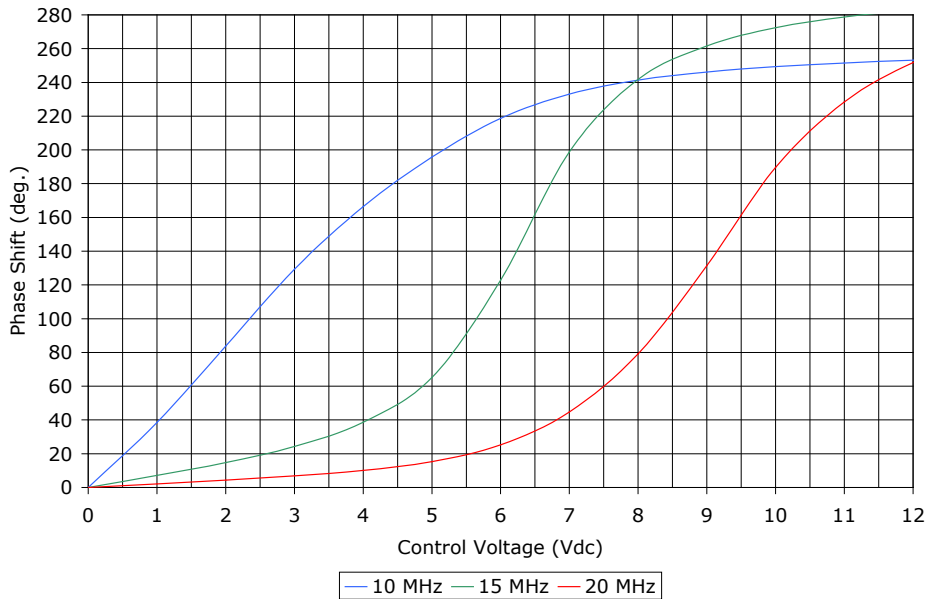
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$F_c = 15 \text{ MHz}$

PERFORMANCE PLOTS



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