

# PHASE SHIFTER

## SURFACE MOUNT MODEL: PS210220B

**OPTIMIZED BANDWIDTH**

**2100 - 2200 MHz**

**FEATURES:**

- ▶ Over 360° of Phase Shift
- ▶ Low Control Voltage
- ▶ Low VSWR
- ▶ Small Size, Surface Mount
- ▶ Lead Free Patented REL-PRO® Technology



**SPECIFICATIONS (Rev. E 11/30/20)**

|                             |                 |      |
|-----------------------------|-----------------|------|
| Frequency                   | 2100 - 2200 MHz |      |
| Insertion Loss (dB)         | Typ.            | Max. |
|                             | 3.75            | 4.25 |
| Control Bandwidth           | DC - 10 MHz     |      |
| Control Voltage             | 0 to 12 Volts   |      |
| Control Current             | 20 uA (Max.)    |      |
| Phase Shift                 | 360° (Min.)     |      |
| VSWR                        | 1.7:1 (Typ.)    |      |
| RF Power                    | 0 dBm (Max.)    |      |
| Impedance                   | 50 Ohms (Nom.)  |      |
| Operating Temperature Range | -40 to +85 °C   |      |

**Package # 307**

**PORT LOCATION**

| IN | OUT | CTRL | GND        | No Connection |
|----|-----|------|------------|---------------|
| 1  | 4   | 8    | All Others | 5             |

**Absolute Maximum Ratings**

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

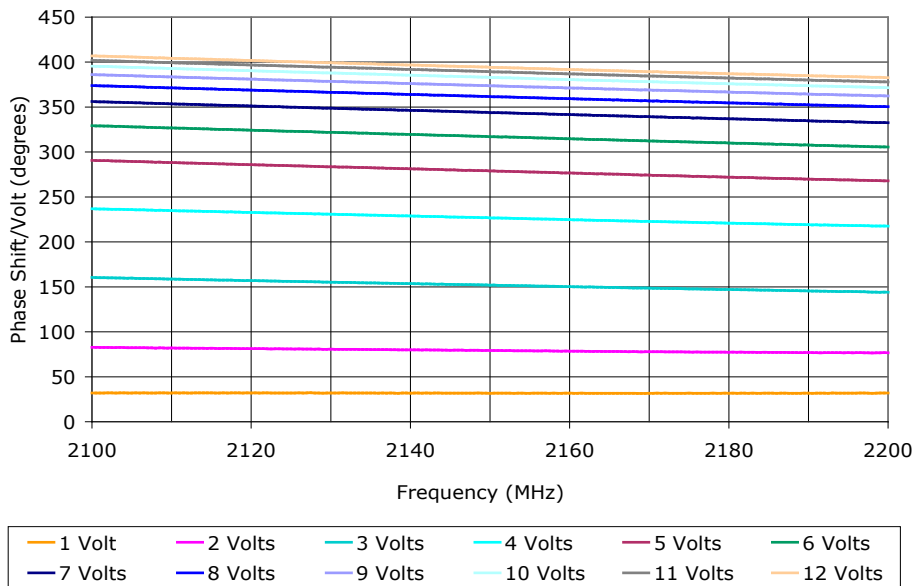
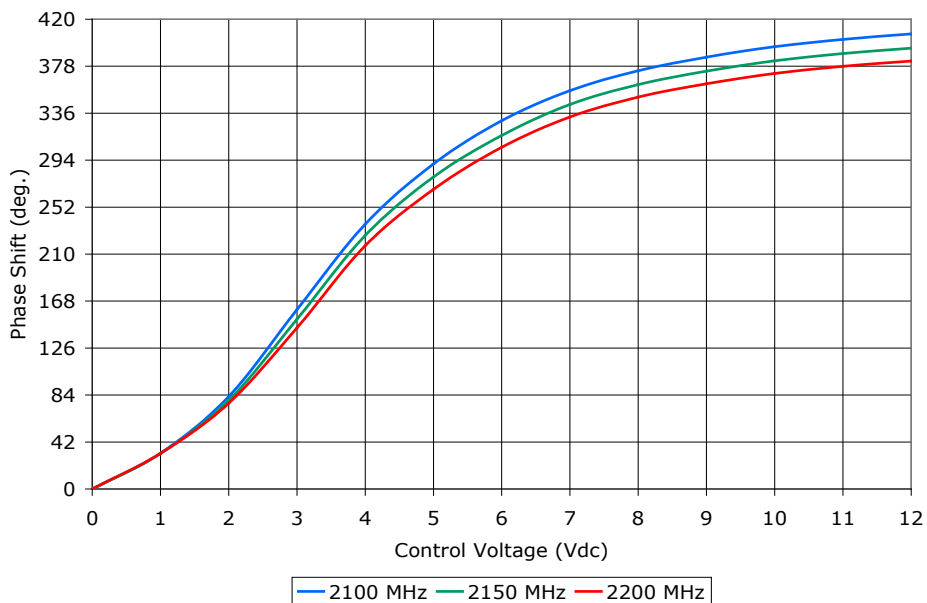
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Data @ 25°C



PERFORMANCE PLOTS

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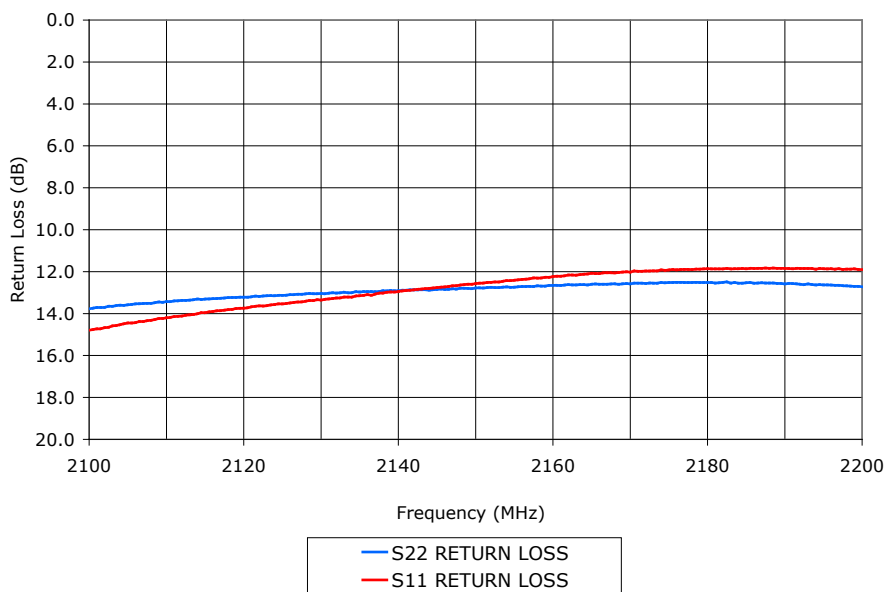
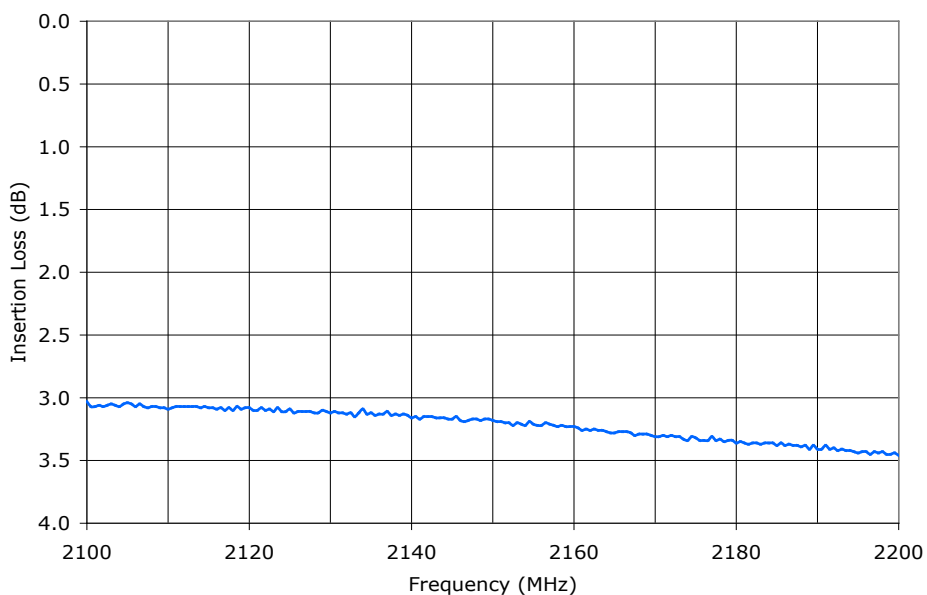
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PERFORMANCE PLOTS



— S22 RETURN LOSS  
— S11 RETURN LOSS