

FEATURES

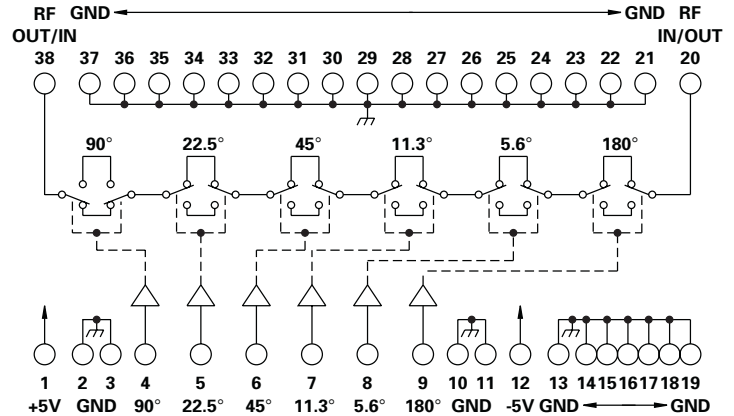
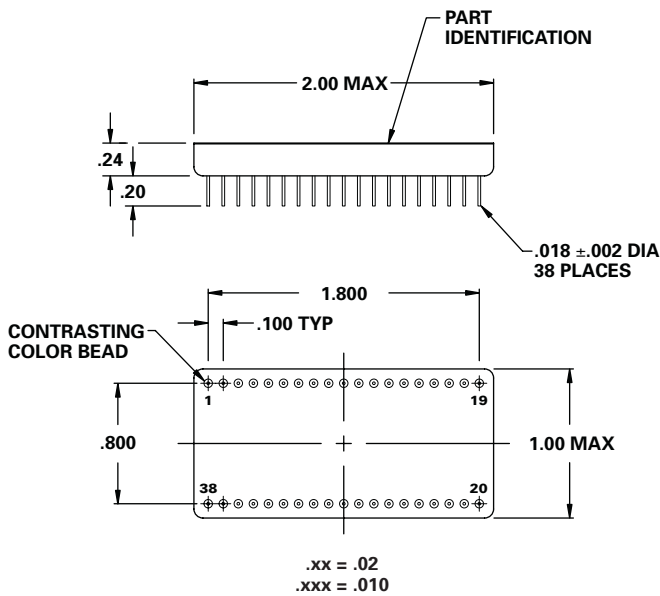
- 1200 - 1600 MHz
- Small DIP Package
- Amp / Phase Variation
- 30 nSec Switching Speed
- +41 dB Intercept Point 3rd Order
- 5.6 Degrees LSB



**MODEL NO.
CPS62036**

Phase Shifter 6 Section

6 BIT



GUARANTEED PERFORMANCE

| Parameter | Min | Typ | Max | Units | Conditions |
|-------------------------------|-----------------------------------|------------|----------|--------------------------|--|
| Operating Frequency | 1200 | | 1600 | MHz | Phase Tuned At Fr = 1575 42 MHz |
| DC Current | | | 10 10 | mA mA | At +5 VDC Supply At -5 VDC Supply |
| Control Type | | TTL | | | 6 Line Logic "1" = Phase Shift |
| Control Current | High Low | -47 -89 | | µA µA | V _{IH} = +2.7 V V _{IL} = +0.5 V |
| Insertion Loss | | 7 | 7.5 | dB | |
| Amplitude Vs. Phase Variation | | | ±0.25 | dB | |
| Phase Shift | Steps LSB Range Accuracy | | | DEG DEG DEG DEG | 90, 22.5, 45, 11.3, 5.6, 180 5.6° 354, 375 |
| VSWR | | | 1.6/1 | | |
| Impedance | | 50 | | OHMS | |
| Switching Speed | | | 30 | nSec | 50% TTL to 90% / 10% RF |
| Transition (Rise/Fall) Time | | | | nSec | 10% / 90% or 90% / 10% RF |
| Switching (Video) Transients | | | | mV | Peak Value |
| Intercept Points | 2nd 3rd | +68 +41 | | dBm dBm | MHz MHz |
| RF Power | Operate No Damage | +20 +30 | | dBm dBm | 0.1 dB Compression |
| Operating Temperature | -55 | +25 | +85 | °C | TA |

