

DESCRIPTION

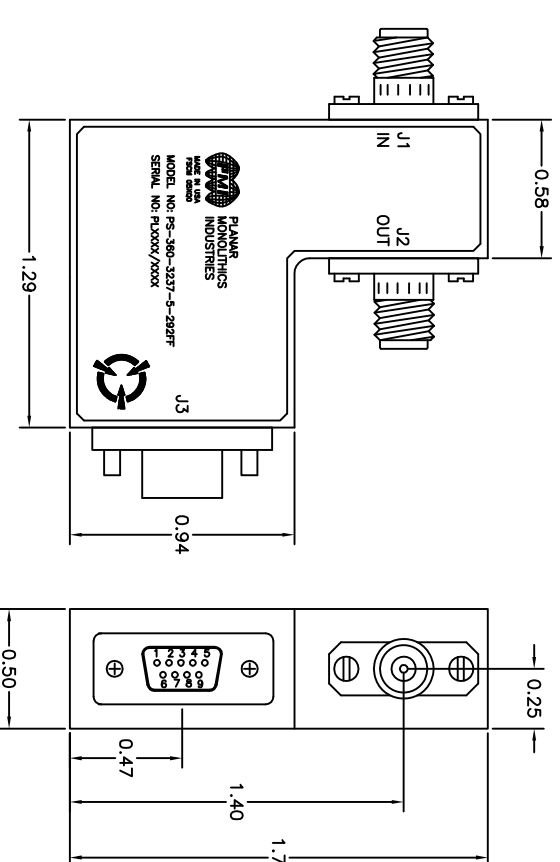
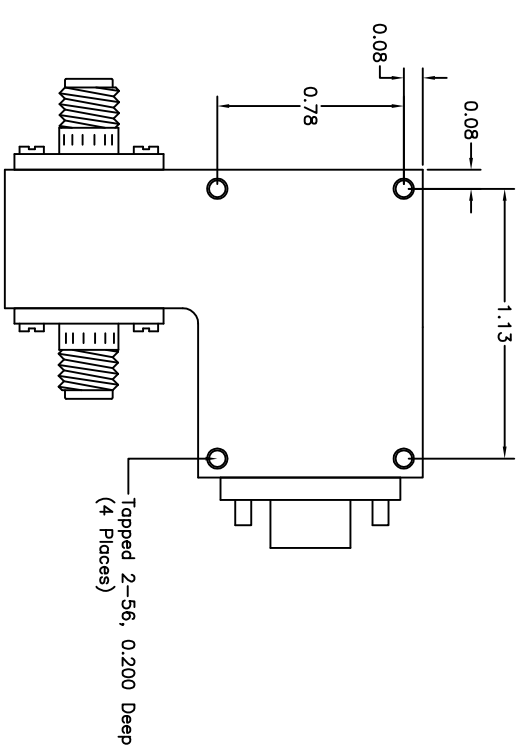
PMI MODEL PS-360-3237-5-292FF IS A HIGH SPEED 32 TO 37 GHz FREQUENCY RANGE PHASE SHIFTER WITH TTL CONTROL LOGIC. THIS MODEL OFFERS A LOW PHASE SHIFT ERROR OF +/-5.0 DEGREES TYPICALLY.

| REVISIONS | | | DATE | APPROVED |
|-----------|------|------------------|----------|----------|
| ZONE | REV. | DESCRIPTION | | |
| A | | ORIGINAL RELEASE | 11/30/10 | |

SPECIFICATIONS

- FREQUENCY RANGE: 32 TO 37 GHz
- INSERTION LOSS: 8.0 DB TYPICAL
10.0 DB MAXIMUM
- VSWR INPUT: 2.0:1 TYP, 2.5:1 MAX
- VSWR OUTPUT: 2.5:1 TYP, 3.0:1 MAX
- LSB: 11.25°
- CONTROL BITS: 5 LINE (TTL CONTROL)
- MAX PHASE SHIFT: 348.75°
- AMPLITUDE ERROR: ±1.5dB TYP.
- PHASE SHIFT ERROR: ±5.0° TYP.
- SWITCHING SPEED: 500ns MAX
- POWER SUPPLY: +15V @90mA MAX
-15V @60mA MAX
- RF CONNECTORS: 2.92mm FEMALE INPUT & OUTPUT
- CONTROL: TTL THRU "D" MULTIPIN CONNECTOR
- SIZE: 1.29" X 1.75" X 0.50"
- FINISH: PAINTED GREY

| 9-PIN CONNECTOR PIN-OUT | PIN | FUNCTION |
|-------------------------|------------|----------|
| 1 | +15 VDC | |
| 2 | GND | |
| 3 | -15 VDC | |
| 4 | GND | |
| 5 | CTL1 (LSB) | |
| 6 | CTL2 | |
| 7 | CTL3 | |
| 8 | CTL4 | |
| 9 | CTL5 (MSB) | |



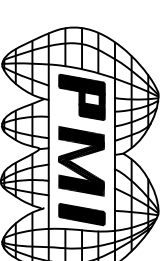
ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES: ±0.020
X.XX
X.XXX ±0.010

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PRODUCT FEATURE

PS-360-3237-5-292FF

32 TO 37 GHz PHASE SHIFTER

| APPROVALS | DATE | TITLE | SIZE | FSCM NO. | DWG NO. | REV. |
|--|----------|-----------------|------|----------|----------|------|
| APPROVALS DRAWN MODIFIED ISSUED | 11/30/10 | PRODUCT FEATURE | A | 05X00 | 27013662 | A |
| SCALE N:S | | SHEET | | 1 OF 1 | | |