

DESCRIPTION

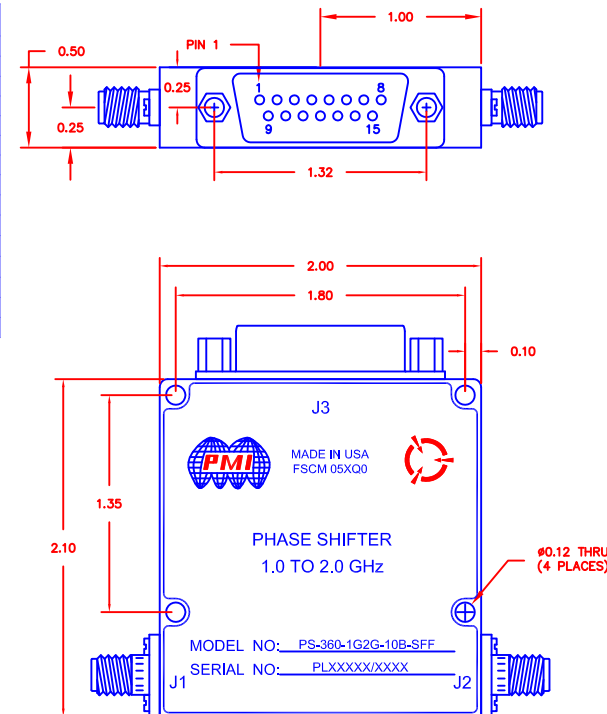
PMI MODEL NUMBER PS-360-1G2G-10B-SFF IS A 1.0 TO 2.0 GHz 10 BIT DIGITALLY CONTROLLED PHASE SHIFTER WITH CAPABILITY FOR PHASE SHIFTING FROM 0° TO 360°, WITH RESOLUTION AS FINE AS 0.36°.

SPECIFICATIONS

- FREQUENCY RANGE: 1.0 TO 2.0 GHz
- RF INPUT POWER: 20dBm
- PHASE CONTROL RANGE: 360 DEGREES TYP.
- LSB 0.36°
- SWITCHING SPEED 1 usec, 500 nsec TYP.
- INSERTION LOSS 5.5dB TYP.
- CONNECTORS (RF) SMA FEMALE
- CONNECTOR (CONTROL) 15 PIN SUBMINIATURE D (MALE)
MATING CONNECTOR SUPPLIED
- RF IMPEDANCE: 50 OHMS
- VSWR: 2.0:1
- LOGIC BITS: 10 (SEE PIN FUNCTION TABLE)
- TTL: "0" = -0.3 to +0.8V
"1" = +2 to +5V
- POWER SUPPLY
+V: +12V to +15V @ 50mA TYP.
- SIZE: 2.00" X 2.10" X 0.50"
- FINISH EPOXY PAINTED BLUE

| PIN NO: | J3 PIN FUNCTIONS |
|---------|------------------|
| 1 | GND |
| 2 | 0.36° |
| 3 | 0.7° |
| 4 | GND |
| 5 | 1.4° |
| 6 | 2.8° |
| 7 | 5.6° |
| 8 | 11.2° |
| 9 | 22.5° |
| 10 | 45° |
| 11 | 90° |
| 12 | 180° |
| 13 | N/C |
| 14 | +12V |
| 15 | N/C |

| REVISIONS | | | | |
|-----------|------|-------------|---------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | - | PRELIMINARY | 1/20/15 | |
| | | | | |
| | | | | |



FEATURES

- SINGLE POSITIVE VOLTAGE SUPPLY OPERATION
- LOW DC CURRENT CONSUMPTION
- SLIM-LINE DESIGN

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +85°C (OPERATING)
- 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

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

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

PMI CONFIDENTIAL AND PROPRIETARY

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| APPROVALS | | DATE | TITLE | | | REV. |
|-----------|----------|---------|------------------------------|--|--------|------|
| DRAWN | K. MASON | 1/20/15 | PRODUCT FEATURE | | | - |
| MODIFIED | | | PS-360-1G2G-10B-SFF | | | |
| ISSUED | | | 1.0 TO 2.0 GHz PHASE SHIFTER | | | |
| SIZE | FSCM NO. | DWG NO. | PRELIMINARY | | | |
| A | 05XQ0 | | | | | |
| SCALE | N:S | | SHEET | | 1 OF 1 | |