

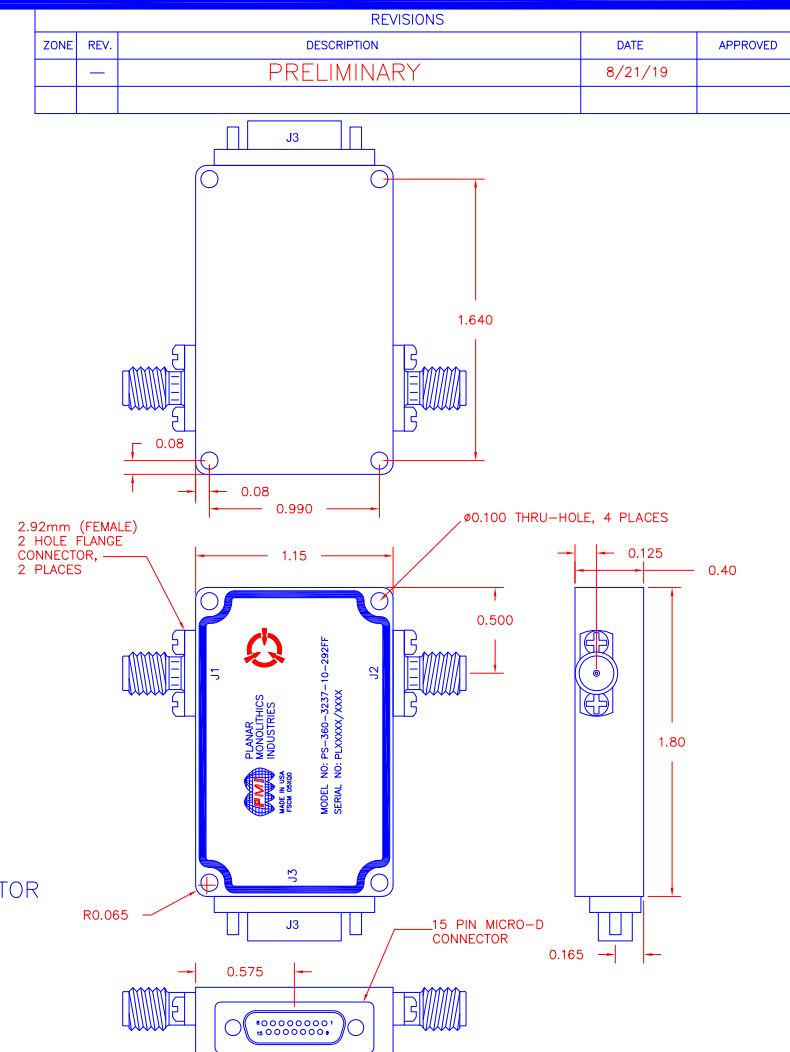
DESCRIPTION

PMI MODEL PS-360-3237-10-292FF IS A HIGH SPEED 32 TO 37 GHz FREQUENCY RANGE PHASE SHIFTER WITH AN 10-BIT TTL CONTROL. THIS MODEL OFFERS A LOW PHASE SHIFT ERROR OF TYPICALLY ± 5.0 DEGREES.

15-PIN CONNECTOR PIN-OUT	
PIN	FUNCTION
1	CTL1 (LSB)
2	CTL2
3	CTL3
4	CTL4
5	CTL5
6	CTL6
7	CTL7
8	CTL8
9	CTL9
10	CTL10 (MSB)
11	NC
12	NC
13	+15 VDC
14	GND
15	-15 VDC

SPECIFICATIONS

- | | | | |
|--------------------------|---|----|-------------|
| ● FREQUENCY RANGE:_____ | 32 TO 37 GHZ | 6 | CTL6 |
| ● INSERTION LOSS:_____ | 13.0 dB TYPICAL | 7 | CTL7 |
| ● VSWR INPUT:_____ | 2.0:1 TYP, 2.3:1 MAX (J2) | 8 | CTL8 |
| ● VSWR OUTPUT:_____ | 2.5:1 TYP, 3.0:1 MAX (J1) | 9 | CTL9 |
| ● LSB_____ | 0.35° | 10 | CTL10 (MSB) |
| ● CONTROL BITS_____ | 12 LINE (TTL CONTROL) | 11 | NC |
| ● MAX PHASE SHIFT _____ | 358.59375° | 12 | NC |
| ● AMPLITUDE ERROR_____ | ±1.5dB TYP. | 13 | +15 VDC |
| ● PHASE SHIFT ERROR_____ | ±5.0° TYP. | 14 | GND |
| ● SWITCHING SPEED_____ | 500ns MAX | 15 | -15 VDC |
| ● POWER SUPPLY_____ | +15V @90mA MAX
-15V @60mA MAX | | |
| ● RF CONNECTORS_____ | 2.92mm FEMALE INPUT & OUTPUT | | |
| ● CONTROL_____ | (MDM15SSP) 15 PIN MICRO-D SHIPPED WITH MATING CONNECTOR | | |
| ● SIZE_____ | 1.150" X 1.800" X 0.4" | | |
| ● FINISH_____ | GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750,
TYPE I OVER EPOXY POLIMIDE PRIMER
IAW MIL-P-23377, TYPE J, CLASS 1 OR 3. | | |



PMI CONFIDENTIAL AND PROPRIETARY

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:
X.XX ±0.020
X.XXX ±0.010

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE PS-360-3237-10-292FF 32 TO 37 GHZ PHASE SHIFTER					
APPROVALS	DATE						
DRAWN <i>SPH</i>	8/21/19						
MODIFIED		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV —		
ISSUED		SCALE N:S				SHEET 1 OF 1	