

DESCRIPTION

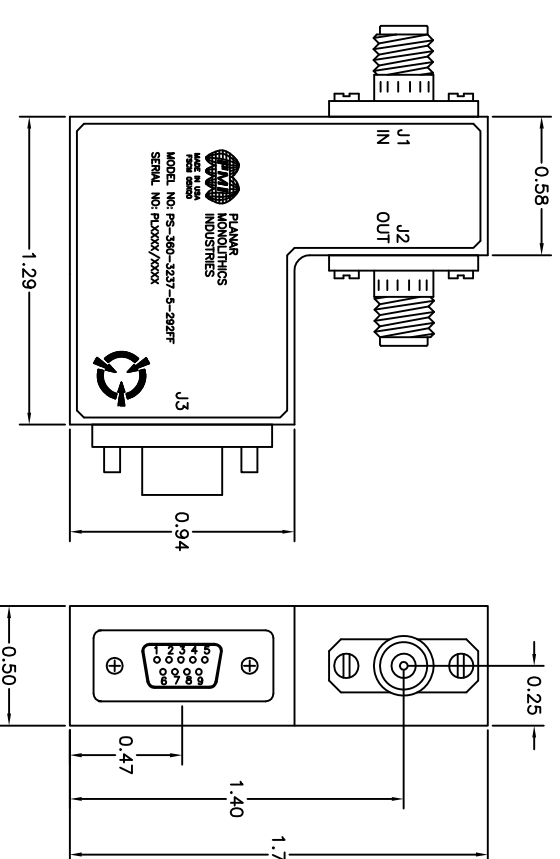
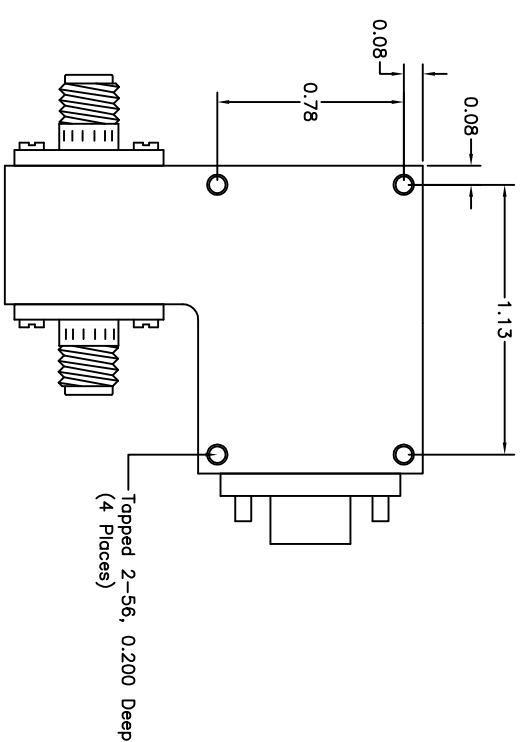
PMI MODEL PS-360-3237-5-292FF IS A HIGH SPEED 32 TO 37 GHz FREQUENCY RANGE PHASE SHIFTER WITH TTL CONTROL LOGIC. THIS MODEL OFFERS A LOW PHASE SHIFT ERROR OF +/-5.0 DEGREES TYPICALLY.

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.
<p>ISSUED</p> <p>MODIFIED</p> <p>DRAWN</p>		PRODUCT FEATURE	A	05X00	27013662	A
<p>APPROVED</p> <p>DATE</p>	11/30/10					