

DESCRIPTION

PMI MODEL NUMBER PS-360-DC-IR-9G11G IS A 9.0 TO 11.0 GHz DIGITALLY CONTROLLED ANALOG PHASE SHIFTER WITH CAPABILITY FOR PHASE SHIFTING FROM 0° TO 360°.

SPECIFICATIONS

- FREQUENCY RANGE: 9.0 TO 11.0 GHz
(OTHER FREQUENCY RANGES AVAILABLE)
- INSERTION LOSS 8.0 dB Typ.
- VSWR 1.75:1 Max
- PHASE ACCURACY $\pm 1^\circ$ Typ
- PHASE FLATNESS VS FREQUENCY $\pm 5^\circ$ Typ
- INSERTION LOSS TRACKING ± 0.5 dB GOAL, ± 0.75 dB Typ.
(Unit to Unit at 0° Phase Shift Per Lot)
- INSERTION LOSS V PHASE ± 0.75 dB GOAL, ± 1.25 dB Typ.
- SWITCHING SPEED 300 ns Typ.
- OPERATING POWER: +20 dBm Typ
- SURVIVAL POWER: +30 dBm Max
- CONTROL 10 BIT TTL
- POWER SUPPLY
+V: +12V to +15V @ 40 mA Typ.
- SIZE: (L) 4.95" X (W) 3.38" X (H) 1.02"
- WEIGHT: 13 OUNCES TYP.
- FINISH: BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750, TYPE I OVER EPOXY POLIMIDE PRIMER IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.

PHASE SHIFTER INPUT/OUTPUT INFORMATION

BI-DIRECTIONAL UNIT

DATA TAKEN

J1 - INPUT

J2 - OUTPUT

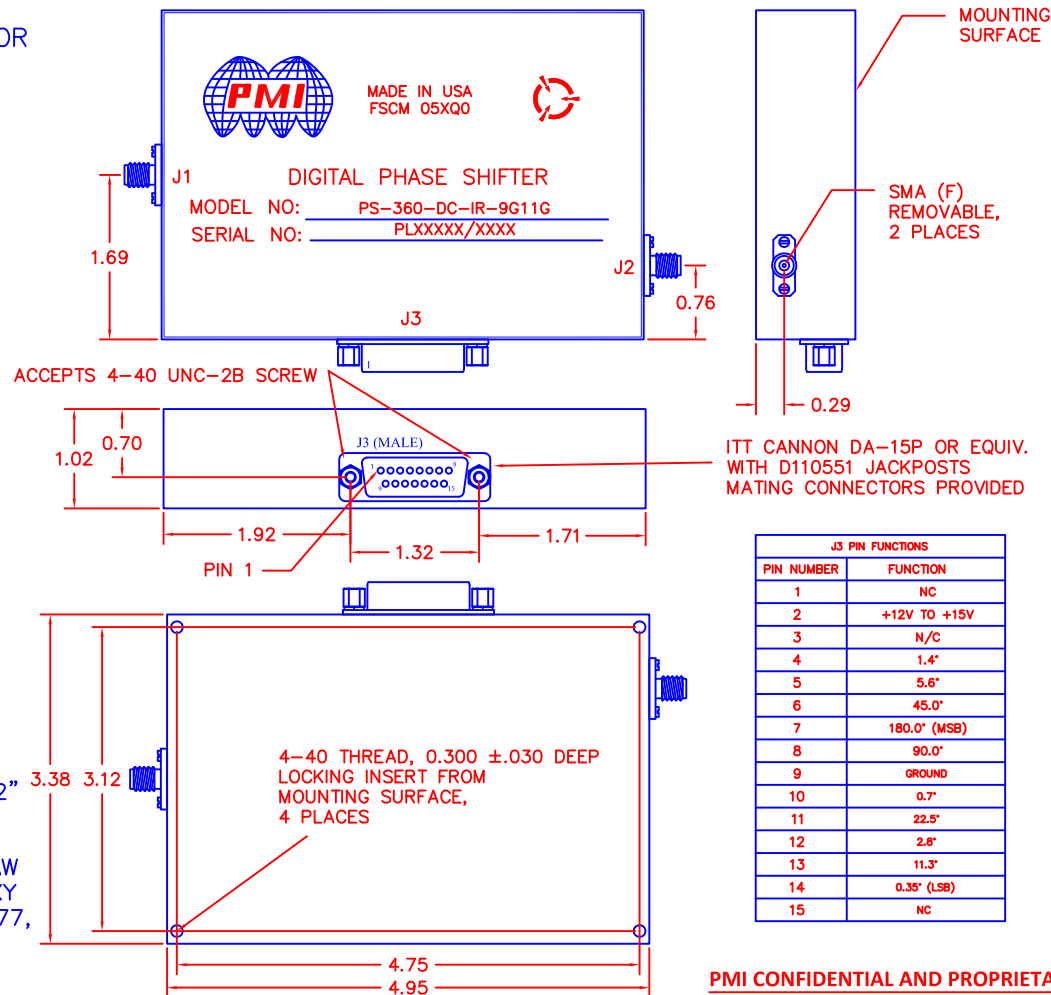
ENVIRONMENTAL RATINGS

- 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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	09/04/14	
	A1	ECN # 15-0068	06/01/15	



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN <i>VR</i>		09/04/14		PRODUCT FEATURE	
MODIFIED				PS-360-DC-IR-9G11G	
ISSUED					
SIZE	FSCM NO.	OWG NO.	REV.		
A	05XQ0	27023165	A1		
SCALE N:S				SHEET 1 OF 1	