

DESCRIPTION

PMI MODEL: PS-3R5G6R5G-10B-SFF IS A 10-BIT DIGITAL PHASE SHIFTER THAT OPERATES OVER THE 3.5 TO 6.5 GHz FREQUENCY RANGE. THIS MODEL OFFERS 360 DEGREES PHASE SHIFT WITH A LEAST SIGNIFICANT BIT OF 0.35 DEGREES.

SPECIFICATIONS

- FREQUENCY RANGE: 3.5 TO 6.5 GHz
- CONTROL: 10 BIT TTL
- VSWR: 1.6:1 MAXIMUM
- PHASE FLATNESS: $\pm 10^\circ$ MAXIMUM
- PHASE SHIFT: 360°
- HARMONIC: -50 dBc MINIMUM
- SPURIOUS SUPPRESSION: -60 dBc MINIMUM
- DC SUPPLY: +15 V @ 200 mA MAXIMUM
-15 V @ 50 mA MAXIMUM
- CONNECTORS: RF: SMA FEMALE
CONTROL: 15 PIN SUBMINIATURE D (MALE)
MATING CONNECTOR SUPPLIED WITH UNIT.
- SIZE: 3.25 x 3.25" x 0.84"
[82.55 mm x 82.55 mm x 21.34 mm]
EXCLUDING MOUNTING PLATE
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: 0 °C TO +70 °C (OPERATING)
- HUMIDITY: MIL-STD-202, METHOD 103B COND. B
- SHOCK: MIL-STD-202, METHOD 213B COND. B
- VIBRATION: MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

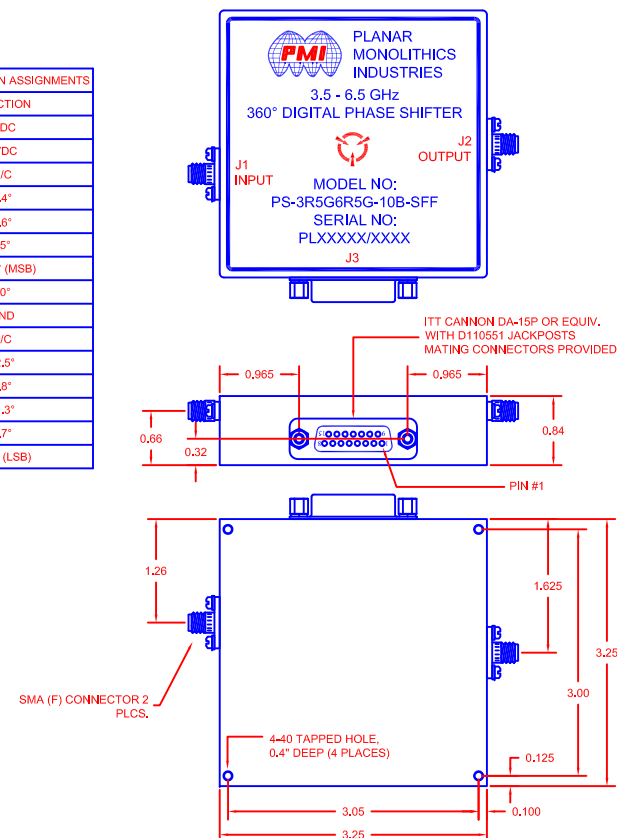
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [0.010]

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	04/26/18	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	M. Berry	04/26/18		PRODUCT FEATURE	
CHECKED				PS-3R5G6R5G-10B-SFF	
ISSUED				3.5 to 6.5 GHz, 0° - 360° Digital Phase Shifter	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27034800	
SCALE		N:S		SHEET	
				1 OF 1	

REV. A1