

DESCRIPTION:

PMI MODEL NUMBER PS-90-6012-HS15NS-OPT7G IS A HIGH SPEED, 0 OR 180 DEGREE, MINIATURE, BI-PHASE MODULATOR/PHASE SHIFTER WITH TTL CONTROL LOGIC (ECL LOGIC IS AVAILABLE) OPTIMIZED FOR 7 GHz.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	5/16/2023	

SPECIFICATIONS:

- FREQUENCY RANGE:

• INSERTION LOSS:

• PHASE SHIFT ACCURACY(@ ROOM TEMP):

• NOISE FIGURE:

• MODULATION RATE:

• VSWR INPUT:

• OPERATING INPUT POWER:

• SPEED:

• MAXIMUM RF INPUT:

• CARRIER SUPPRESSION:

• DC SUPPLY:

• SIZE:

• WEIGHT:

• FINISH:

• CONNECTOR:
- 7 GHz

2.5 dB TYPICAL

±0° GOAL ±1° MAX

5.0 dB TYPICAL

1 MHz

2.0:1 TYPICAL
2.25:1 MAX

+20 dBm OPERATING

15 ns TYPICAL ON/OFF

0.5 WATT CW, 1 usec PULSE WIDTH SURVIVAL

20 dB TYPICAL

+5 VDC @ 75 mA MAX
-5 VDC @ 20 mA MAX

1.0" X 1.0" X 0.5"

<2 OUNCES

PAINTED BLUE

SMA(F)

ENVIRONMENTAL RATINGS:

- TEMPERATURE:

• HUMIDITY:

• SHOCK:

• VIBRATION:

• ALTITUDE:

• TEMPERATURE CYCLE:
- 55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)

MIL-STD-202, METHOD 103B COND. B

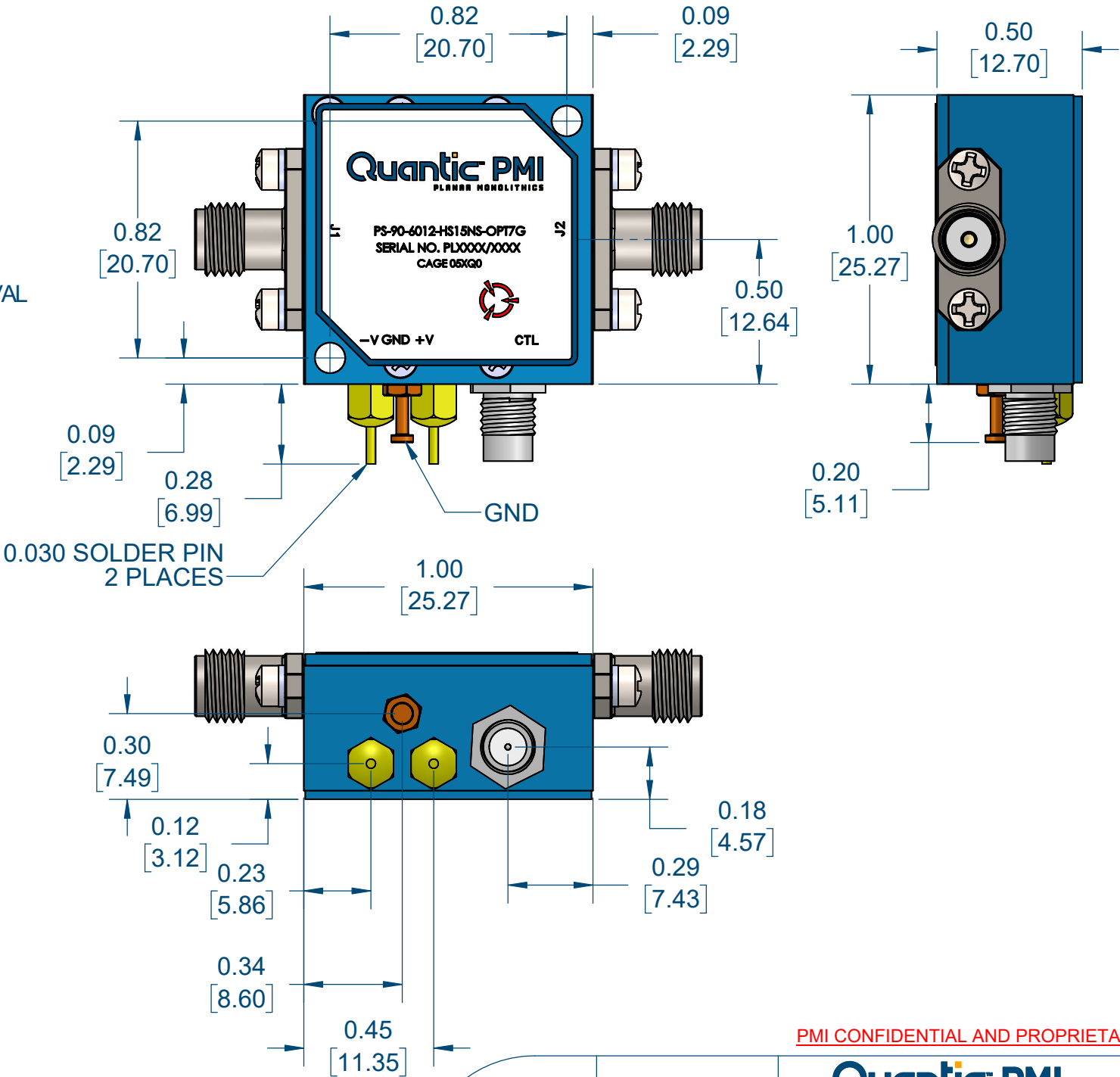
MIL-STD-202, METHOD 213B COND. B

MIL-STD-202, METHOD 204D COND. B

MIL-STD-202, METHOD 105C COND. B

MIL-STD-202, METHOD 107D COND. A

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



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS		DATE	7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED	
DRAWN M.LAULIS		5/16/2023	TITLE FINAL ASSEMBLY PS-90-6012-HS15NS-OPT7G	
REDRAWN			SIZE B	
ISSUED			FSCM NO. 05XQ0	DWG NO. 27046340
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01 ±			SCALE 2:1	REV. A1

SHEET 1 OF 1