

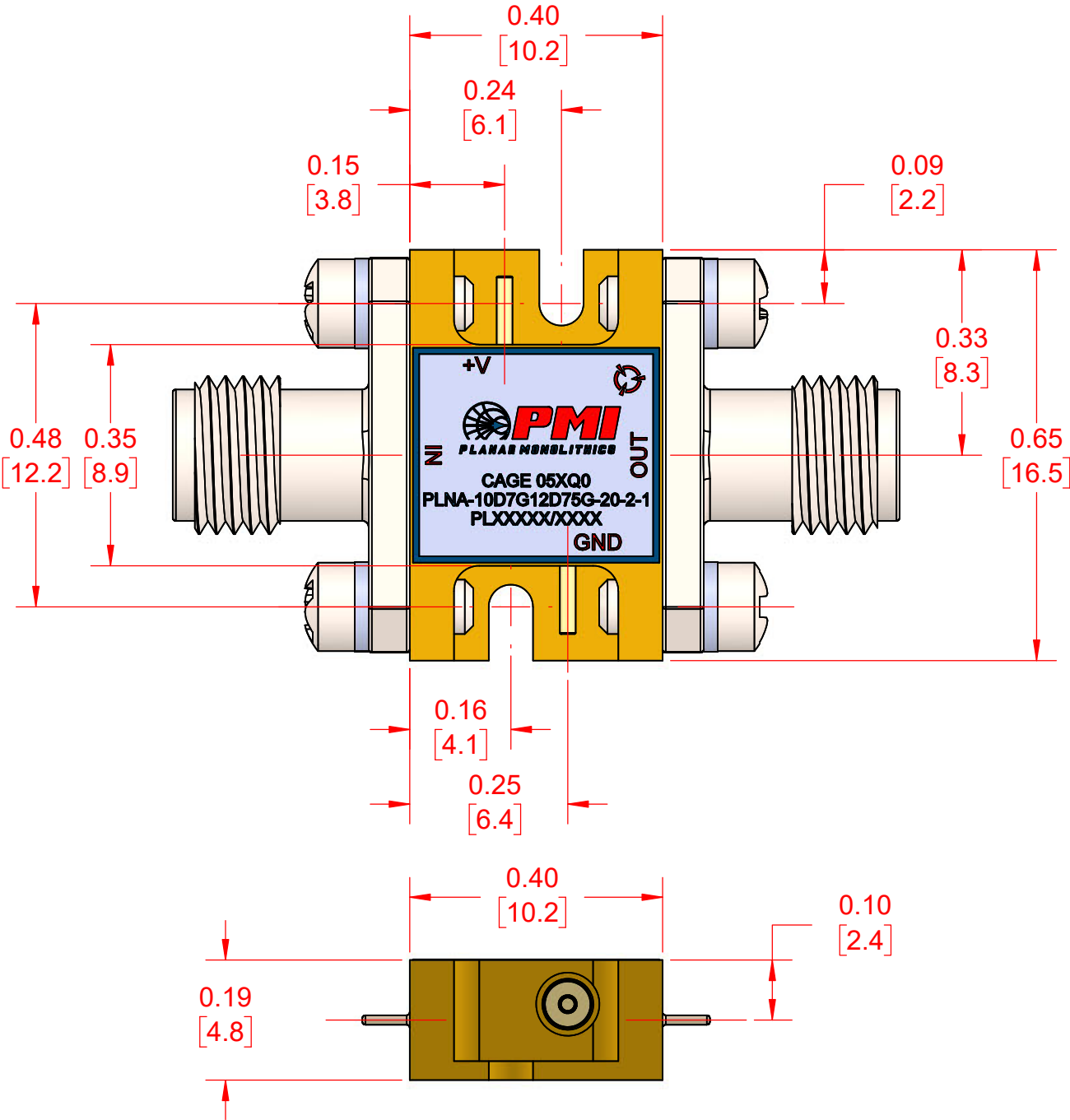
DESCRIPTION:

PMI MODEL NUMBER PLNA-10D7G12D75G-20-2-17-SFF IS A LOW NOISE AMPLIFIER OPERATING OVER THE FREQUENCY RANGE OF 10.7 TO 12.75 GHZ WITH A MINIMUM GAIN OF 20 DB; A P1DB OF 17 DBM; AND AN OUTPUT NOISE FIGURE OF 2 DB MAXIMUM. THIS MODEL HAS A MINIATURE HOUSING MEASURING 0.40" X 0.65" X 0.19" WITH REMOVABLE SMA FEMALE CONNECTORS MAKING IT A DUAL USE COMPONENT THAT CAN BE USED IN A CONNECTORIZED OR SURFACE MOUNT CONFIGURATION.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	07/15/2026	

SPECIFICATIONS:

- FREQUENCY RANGE: 10.7 TO 12.75 GHz
- GAIN: 20 dB MIN
- GAIN FLATNESS: ±0.5 dB MAX
- NOISE FIGURE: 2 dB MAX
- OP1dB: 17 dBm MIN
- VSWR (INPUT/OUTPUT): 2.0 : 1 MAX
- DC VOLTAGE SUPPLY: +5 VDC
- DC CURRENT DRAW: 150 mA MAX
- INPUT POWER: 10 dBm MAX
- CONNECTORS: SMA FEMALE (FIELD REPLACEABLE)
- FINISH: GOLD PLATED



ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202, METHOD 103 COND. B
- SHOCK: MIL-STD-202, METHOD 213 COND. B
- VIBRATION: MIL-STD-202, METHOD 204 COND. B
- ALTITUDE: MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107 COND. A

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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.010 ± XXX ± 0.005		PART NO.		PMI PLANAR MONOLITHICS 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			
		APPROVALS	DATE	TITLE			
		MATERIAL:	DRAWN A. SABADOS	07/15/2026	PLNA-10D7G12D75G-20-2-17-SFF		
		FINISH:	REDRAWN		SIZE B	FSCM NO. 05XQ0	REV. 1
NEXT ASSY	USED ON	VARIOUS	ISSUED		DWG NO. PRELIMINARY		
APPLICATION					SCALE 4:1	SHEET 1 OF 1	