

DESCRIPTION:

PMI MODEL LM-20M18G-100W-15DBM-GOLD IS A 20 MHz TO 18 GHz RF LIMTIER FEATURING 100 W CW POWER HANDLING, 1 kW PEAK POWER HANDLING, AND 15 dBm MAXIMUM LEAKAGE.

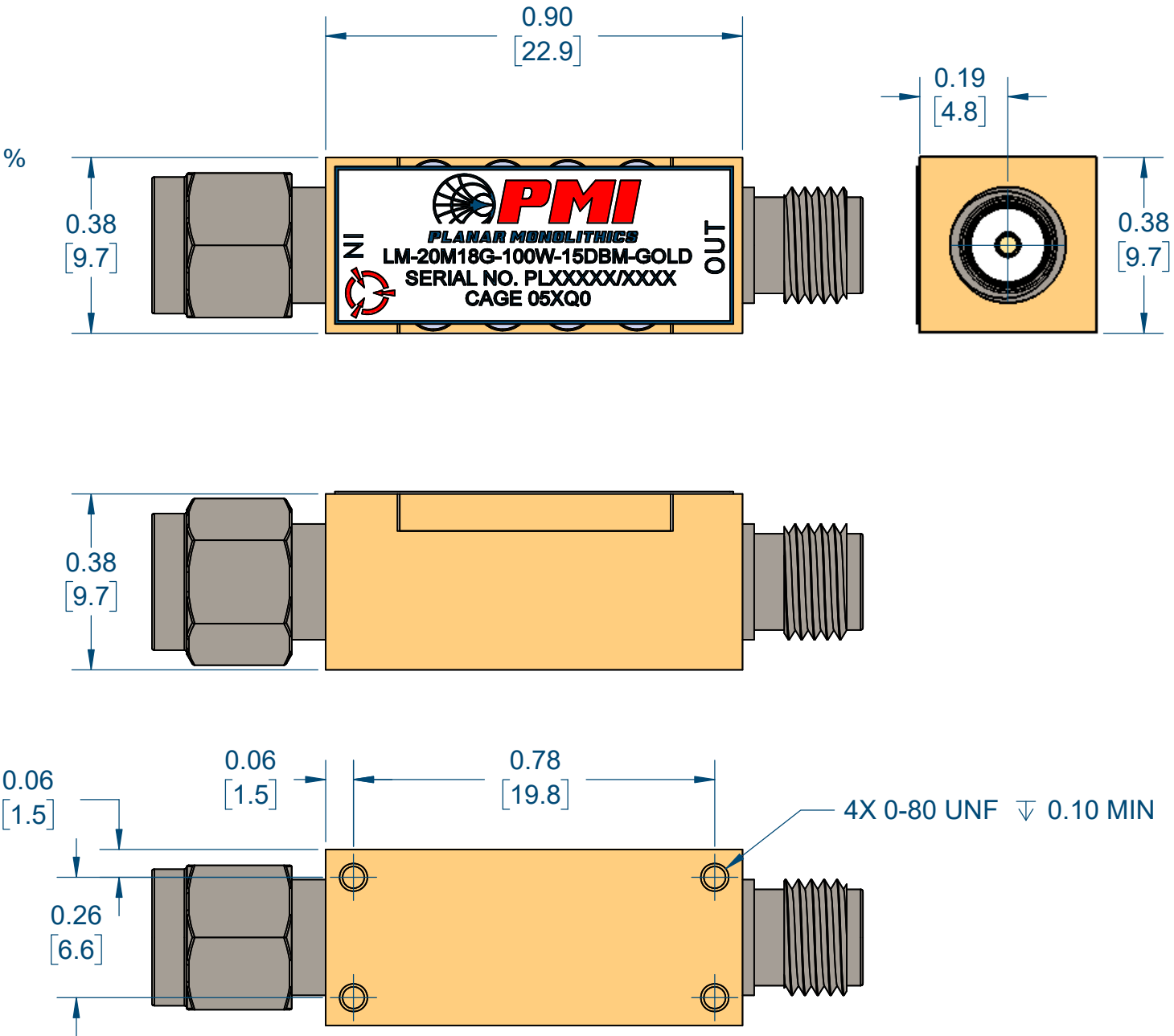
SPECIFICATIONS:

- FREQUENCY RANGE:..... 20 MHz TO 18 GHz
- VSWR @ -10 dBm INPUT POWER:..... 2.0:1 MAX
- INSERTION LOSS @ -10 dBm INPUT POWER:..... 2.6 dB MAX
- RF POWER HANDLING:..... 100 W CW MAX
1 kW PEAK MAX (1 us PULSE WIDTH, 0.1% DUTY CYCLE)
- LEAKAGE POWER:..... +15 dBm MAX AT 100 W CW
- LIMITING THRESHOLD P1dB:..... +5 dBm MIN
- RECOVERY TIME @ 1000 W PEAK POWER:..... 100 ns MAX
- CONNECTORS:..... SMA FEMALE OUTPUT
SMA MALE INPUT
- WEIGHT:..... 0.705 OZ MAX
- FINISH:..... GOLD PLATED

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-55°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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/8/2026	



PMI CONFIDENTIAL AND PROPRIETARY

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			 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 OUTLINE LM-20M18G-100W-15DBM-GOLD			
	DRAWN G.MENDEZ		1/8/2026					
	REDRAWN							
	ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. 27053981	REV. A1		
			SCALE 4:1			SHEET 1 OF 1		