

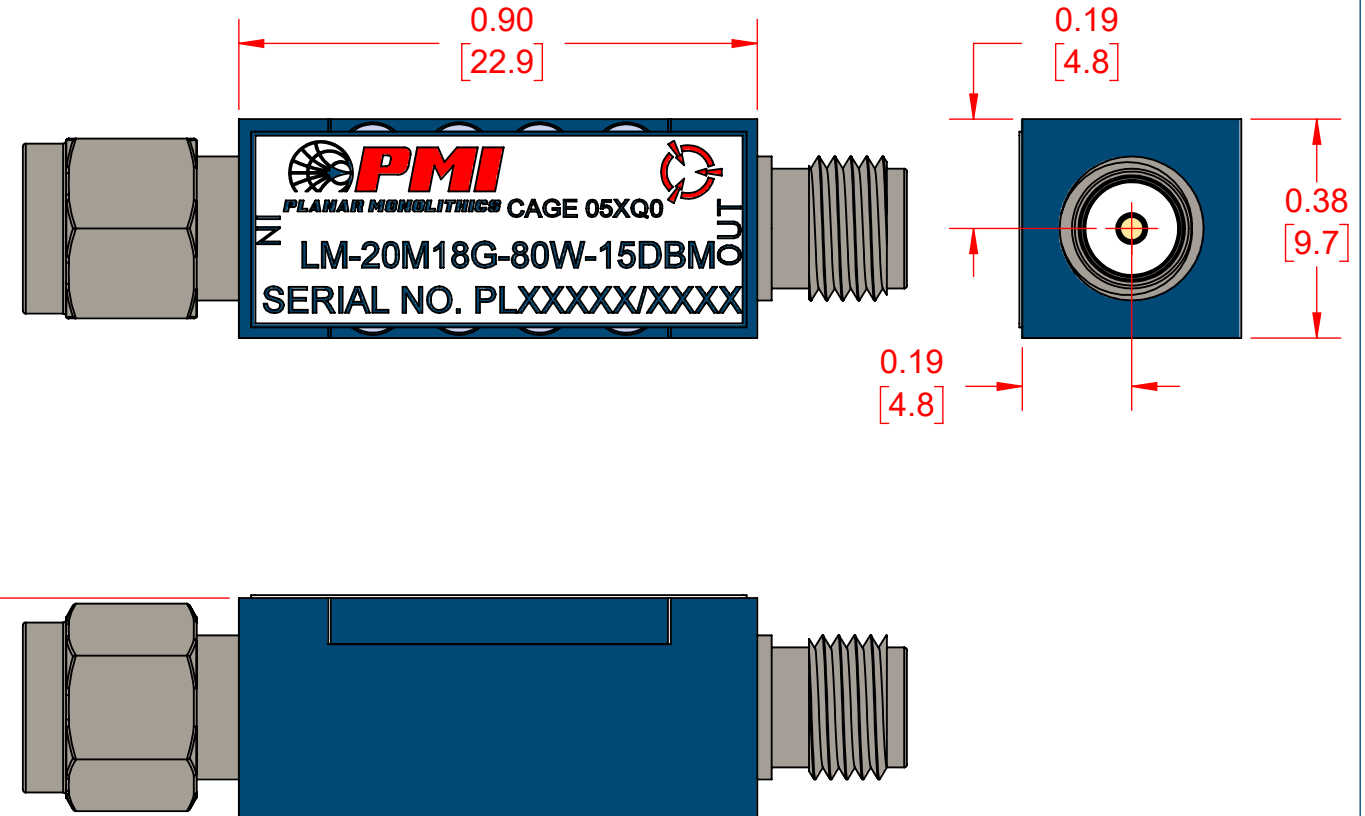
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	3/24/2026	

DESCRIPTION:

PMI MODEL NUMBER LM-20M18G-80W-15DBM IS A 20 MHz TO 18 GHz RF LIMITER FEATURING 80 W CW POWER HANDLING, +15 dBm LEAKAGE, AND LESS THAN 100 ns RECOVERY TIME.

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:..... 80 W CW MAX
1 kW PEAK MIN (1 us MAX PULSE WIDTH, 0.1% DUTY CYCLE)
- LEAKAGE POWER @ 80 W CW:..... +15 dBm MAX
- LIMITING THRESHOLD P1dB:..... +5 dBm MIN
- RECOVERY TIME @ 1KW PEAK POWER:..... 100 ns MAX
- CONNECTORS:..... SMA INPUT FEMALE
SMA OUTPUT MALE
- FINISH:..... PAINTED BLUE




ENVIRONMENTAL RATINGS:

IAW MIL-E-5400, CLASS 2 EQUIPMENT

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-62°C TO +95°C (STORAGE)
- HUMIDITY:..... 100%
- SHOCK:..... 15G, 11±1ms
0.1 Inchpp OR ±10G, 5 ~ 500 Hz
- VIBRATION:..... (FIGURE 2, SHEET 1 OF 3, CURVE IV)
- ALTITUDE:..... 70,000 FT
- TEMPERATURE CYCLE:..... 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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS	DATE	 PMI PLANAR MONOLITHICS <small>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</small>			
		DRAWN E. Castillo	3/24/2026			TITLE OUTLINE LM-20M18G-80W-15DBM	
		ISSUED		SIZE B	FSCM NO. 05XQ0	DWG NO. 27054700	REV. A1
				SCALE 4:1			SHEET 1 OF 1