

DESCRIPTION:

PMI MODEL LM-20M15G-100W-15DBM-ROHS IS A RF LIMITER THAT OPERATES IN THE RANGE OF FREQUENCIES FROM 20.0 MHz TO 15.0 GHz. THIS LIMITER CAN HANDLE UP TO 100 W, AND THE ENERGY INPUT HAS A LEAKAGE OF LESS THAN 15 dBm MAX. THIS MODEL HAS A LOW INSERTION LOSS OF 1.80 dB AND A TYPICAL RECOVERY TIME OF 100 ns.

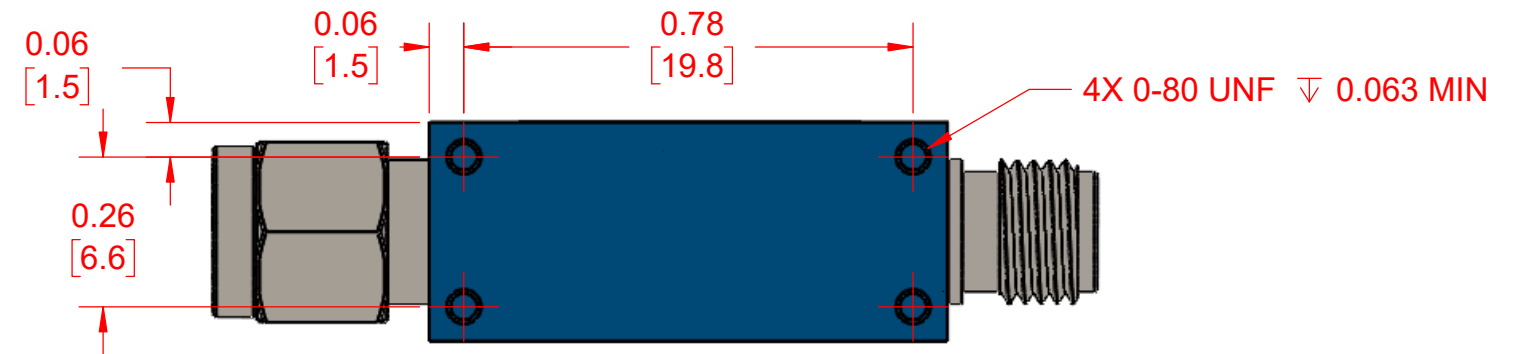
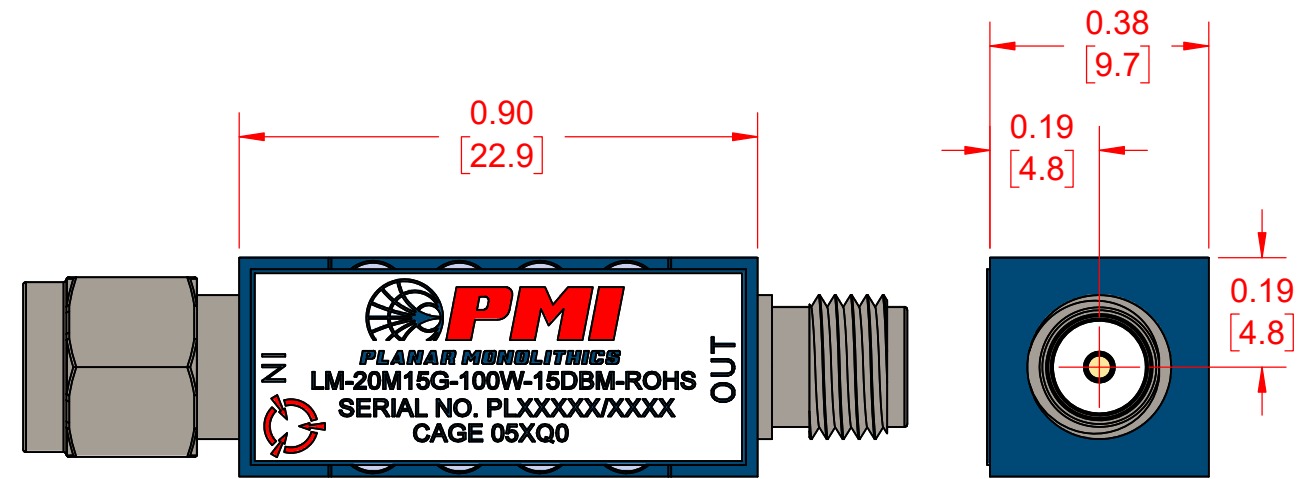
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/19/2025	
	B1	ECN # 26-0012	1/19/2026	

SPECIFICATIONS:

- FREQUENCY RANGE:.....20.0 MHz TO 15.0 GHz
- RF POWER HANDLING:.....100 W CW MAX
1 kW PEAK MAX (1 μs PULSE WIDTH, 0.1% DUTY CYCLE)
- INSERTION LOSS:.....1.80 dB MAX @ -10 dBm INPUT POWER
- RECOVERY TIME:.....100 ns MAX @ 1 kW PEAK POWER
- LEAKAGE POWER:.....+15 dBm MAX AT 100W CW
- VSWR:.....2.0:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD (P1dB):.....+5 dBm MIN (1 dB COMPRESSION)
- CONNECTORS:.....INPUT: SMA MALE
OUTPUT: SMA FEMALE
- WEIGHT:.....0.705 oz MAX
- FINISH:.....PAINTED BLUE


ENVIRONMENTAL RATINGS:

- TEMPERATURE:.....-40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- VIBRATION:.....MIL-STD-202, METHOD 204D COND. B
- SHOCK:.....MIL-STD-202, METHOD 213B COND. B
- HUMIDITY:.....MIL-STD-202, METHOD 103B COND. B
- ALTITUDE:.....MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:.....MIL-STD-202, METHOD 107D COND. A



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		APPROVALS	DATE	 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			
		DRAWN V. PRATAP REDRAWN	6/19/2025				
		TITLE OUTLINE LM-20M15G-100W-15DBM-ROHS		SIZE	FSCM NO.	DWG NO.	REV.
				B	05XQ0	27052300	B1
				SCALE 4:1		SHEET 1 OF 1	