

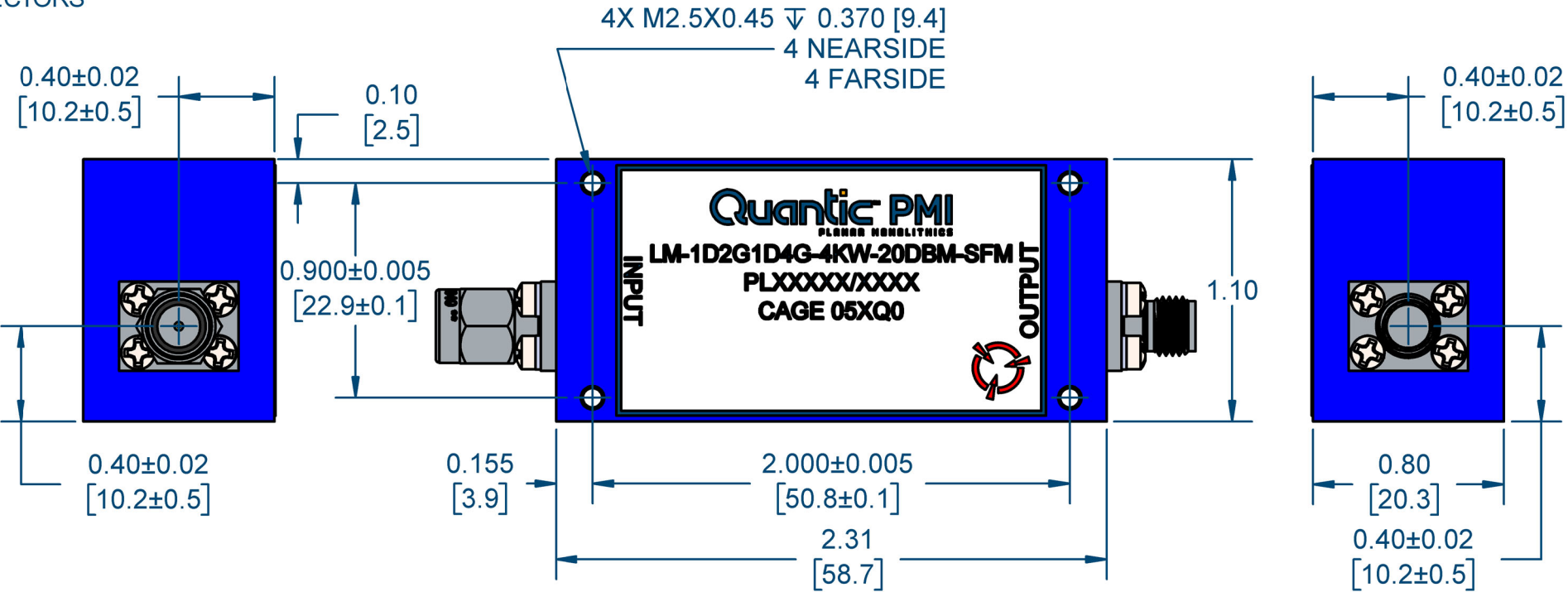
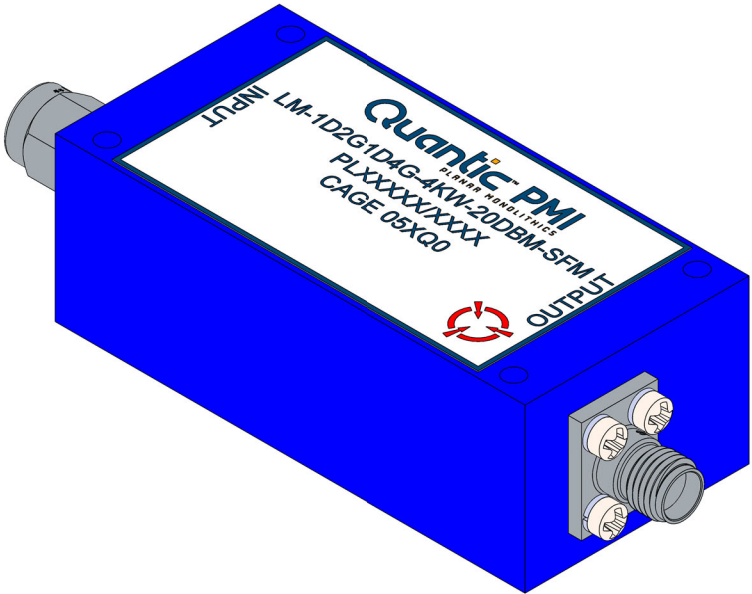
DESCRIPTION:

PMI MODEL: LM-1D2G1D4G-4KW-20DBM-SFM IS A LIMITER WITH AN OPERATING RANGE OF 1.2 GHz TO 1.4 GHz. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 0.5 dB, AND MINIMUM INPUT RETURN LOSS OF 19.5 dB. THIS UNIT MEASURES 2.31" x 1.10" x 0.80" AND IS OUTFITTED WITH SMA CONNECTORS.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 1.2 GHz TO 1.4 GHz
- POWER HANDLING (NORMAL OPERATING CONDITION):.... 10 W PEAK MAX (1 ms PULSE WIDTH, 36% DUTY CYCLE)
- POWER HANDLING (OVERLOAD SURVIVAL CONDITION):... 4 kW PEAK MAX (40 μs PULSE WIDTH, 1% DUTY CYCLE)
- INPUT RISE TIME:..... 100 ns MIN
- INSERTION LOSS:..... 0.5 dB MAX (-40°C TO +55°C)
0.6 dB MAX (+55°C TO +70°C)
- RETURN LOSS (INPUT/OUTPUT):..... INPUT: 19.5 dB MIN (-40°C TO +55°C)
OUTPUT: 16 dB MIN (+55°C TO +70°C)
- SPIKE LEAKAGE POWER:..... 23 dBm MAX
- FLAT LEAKAGE POWER:..... 20 dBm MAX
- RECOVERY TIME:..... 15 μs MAX
(TO 0.1 dB UNDER NORMAL OPERATING CONDITIONS)
- CONNECTORS:..... INPUT - SMA MALE
OUTPUT - SMA FEMALE
- SIZE:..... (L) 2.31" X (W) 1.10" X (H) 0.80"
EXCLUDING CONNECTORS
- FINISH:..... PAINTED BLUE

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/11/2024	
	A2	UPDATE RISE TIME	1/26/2024	
	A3	ECN # 25-0005	1/8/2025	



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +70°C (OPERATING)
-40°C TO +85°C (STORAGE)
- VIBRATION:..... MIL-STD-810F METHOD 514.5, CATEGORY 2
3 AXES, 1 HR PER AXIS
- SHOCK:..... 50 g, 11 ms PULSE, 1/2 SINE WAVE
1 AXIS, 3 PULSES
- HUMIDITY:..... 95%
- ALTITUDE:..... 10,000 FT

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

PMI CONFIDENTIAL AND PROPRIETARY

			APPROVALS		DATE		Quantic PMI PLANAR NONLINEARITIES 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			R. SIRK		1/11/2024		TITLE		OUTLINE	
REDRAWN							LM-1D2G1D4G-4KW-20DBM-SFM			
ISSUED							SIZE	FSCM NO.	DWG NO.	REV.
							B	05XQ0	27047960	A3
							SCALE 2:1		SHEET 1 OF 1	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES					
±	.XX ± 0.02	±			
	.XXX ± 0.01				