

DESCRIPTION:

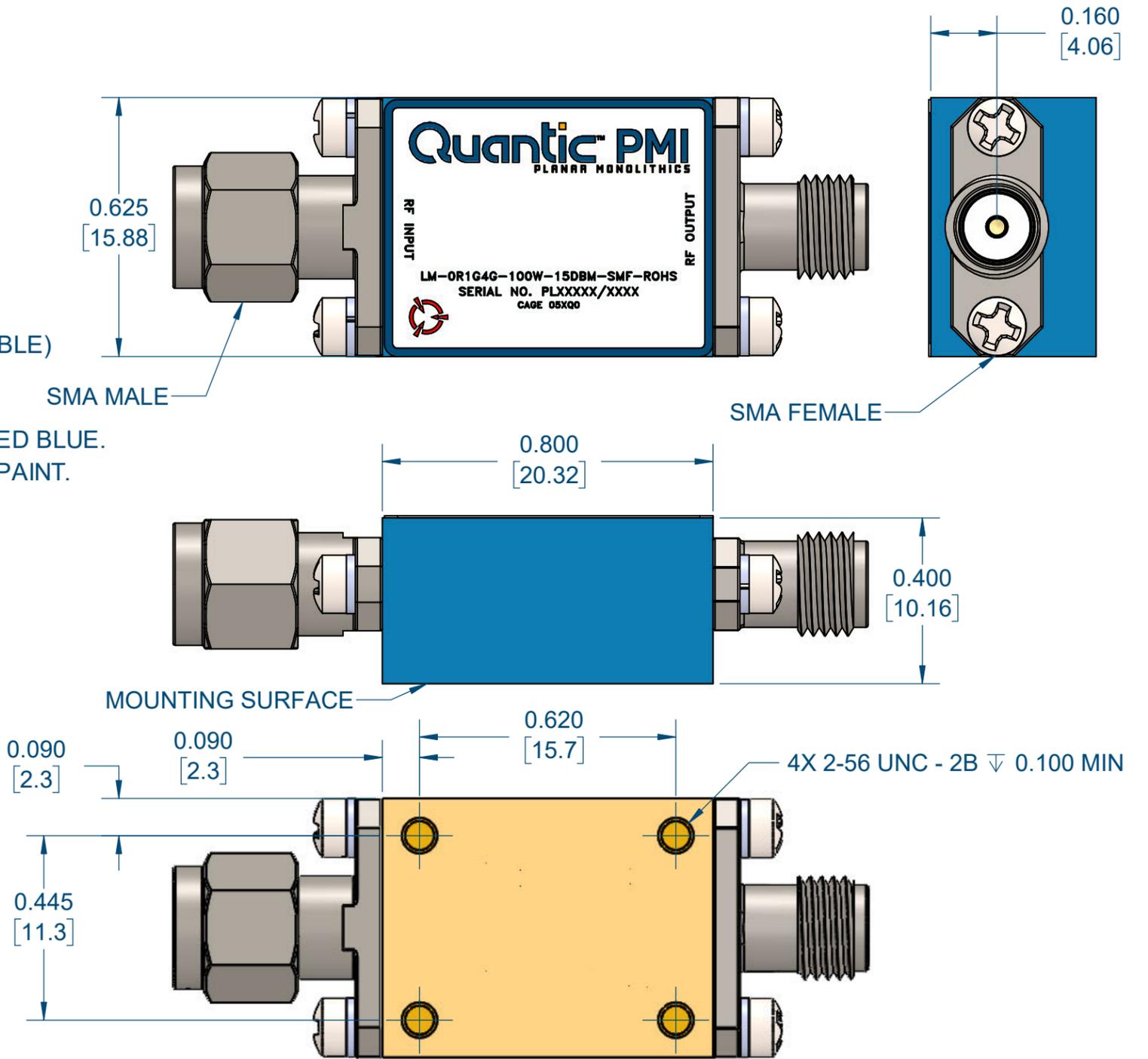
PMI MODEL: LM-0R1G4G-100W-15DBM-SMF-ROHS IS A HIGH POWER LIMITER THAT OPERATES OVER THE 0.1 TO 4.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT OF 100 WATTS CW.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/8/24	
	B1	ECN # 25-0301	11/24/2025	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 0.1 TO 4.0 GHz**
- RF INPUT POWER:..... +50 dBm CW (100W) MAX
- RF INPUT PEAK POWER:..... +60 dBm CW (1kW) MAX
1% DC 1us PW
- RF LEAKAGE (FLAT):..... +15 dBm MAX**
- RECOVERY TIME:..... 100 ns MAX
- INSERTION LOSS @ -10 dBm:..... 1.5 dB MAX**
- VSWR @ -10 dBm INPUT POWER:..... 2.0:1 MAX (INPUT/OUTPUT)**
- CONNECTORS:..... SMA MALE/FEMALE (REMOVEABLE)
- SIZE (EXCLUDING CONNECTORS):..... 15.88mm x 20.32mm x 10.16mm
0.625" x 0.80" x 0.40"
- FINISH:..... HERMETICALLY SEALED, PAINTED BLUE.
MOUNTING SURFACE FREE OF PAINT.
- WEIGHT:..... 2.0 OZ MAX

*NO DC BLOCKS ARE USED INSIDE THE LIMITER
 **DATA REQUIREMENT PER UNIT
 ***TYPICAL CHARACTERISTICS REPORT WILL BE PREPARED TO VALIDATE ALL CONDITIONS LISTED ON THE DRAWING INCLUDING TEMPERATURE.



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-62°C TO +95°C (STORAGE)
- HUMIDITY:..... 100% RH (WITH CONDENSATION)
- SHOCK:..... MIL-HDBK-5400 4.6.2.6
- ALTITUDE:..... 43,000 FT
- VIBRATION:..... MIL-HDBK-5400 4.6.2.5 EQUIPMENT
DESIGNED FOR INSTILLATION IN JET
AIRCRAFT. W0=0.172G2/Hz (15.1Grms)

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

PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN M.LAULIS REDRAWN ISSUED		DATE 10/8/24	TITLE OUTLINE LM-0R1G4G-100W-15DBM-SMF-ROHS		SIZE B	FSCM NO. 05XQ0	DWG NO. 27049880	REV. B1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			QUANTIC 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		SCALE 2:1		SHEET 1 OF 1	