

DESCRIPTION:

PMI MODEL: LM-4G18G-100W-15DBM-SMF IS A HIGH POWER LIMITER THAT OPERATES OVER THE 4.0 TO 18.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT OF 100 WATTS CW.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/6/2023	
	A2	ECN # 23-0123	6/28/23	
	B1	ECN # 25-0301	11/24/2025	

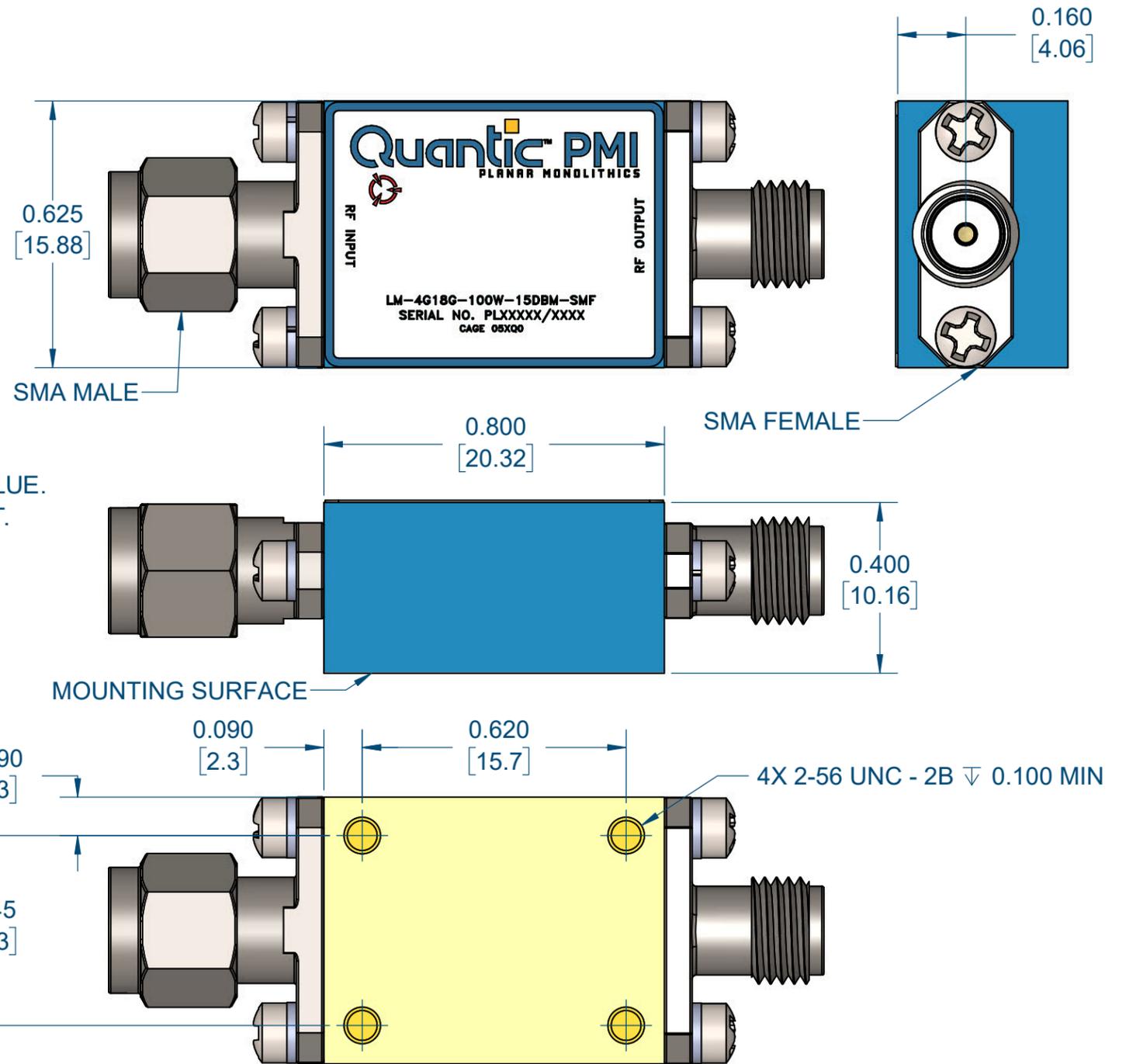
SPECIFICATIONS:

- FREQUENCY RANGE:..... 4.0 TO 18.0 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 (-54°C and +25°C):..... 2.5 dB MAX**
(+55°C):..... 2.6 dB MAX
- VSWR @ -10 dBm INPUT POWER:..... 2.2:1 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 IN 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:..... -54°C TO +55°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
- TEMPERATURE CYCLE:..... 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 2/6/2023	TITLE OUTLINE LM-4G18G-100W-15DBM-SMF		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS .XX ± 0.02 DECIMALS .XXX ± 0.01 ANGLES ±		SIZE B	FSCM NO. 05XQ0	DWG NO. 27045320	REV. B1
SCALE 2:1			SHEET 1 OF 1		

Quantic PMI
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