

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	
	B2	ECN # 26-0144	7/20/2026	

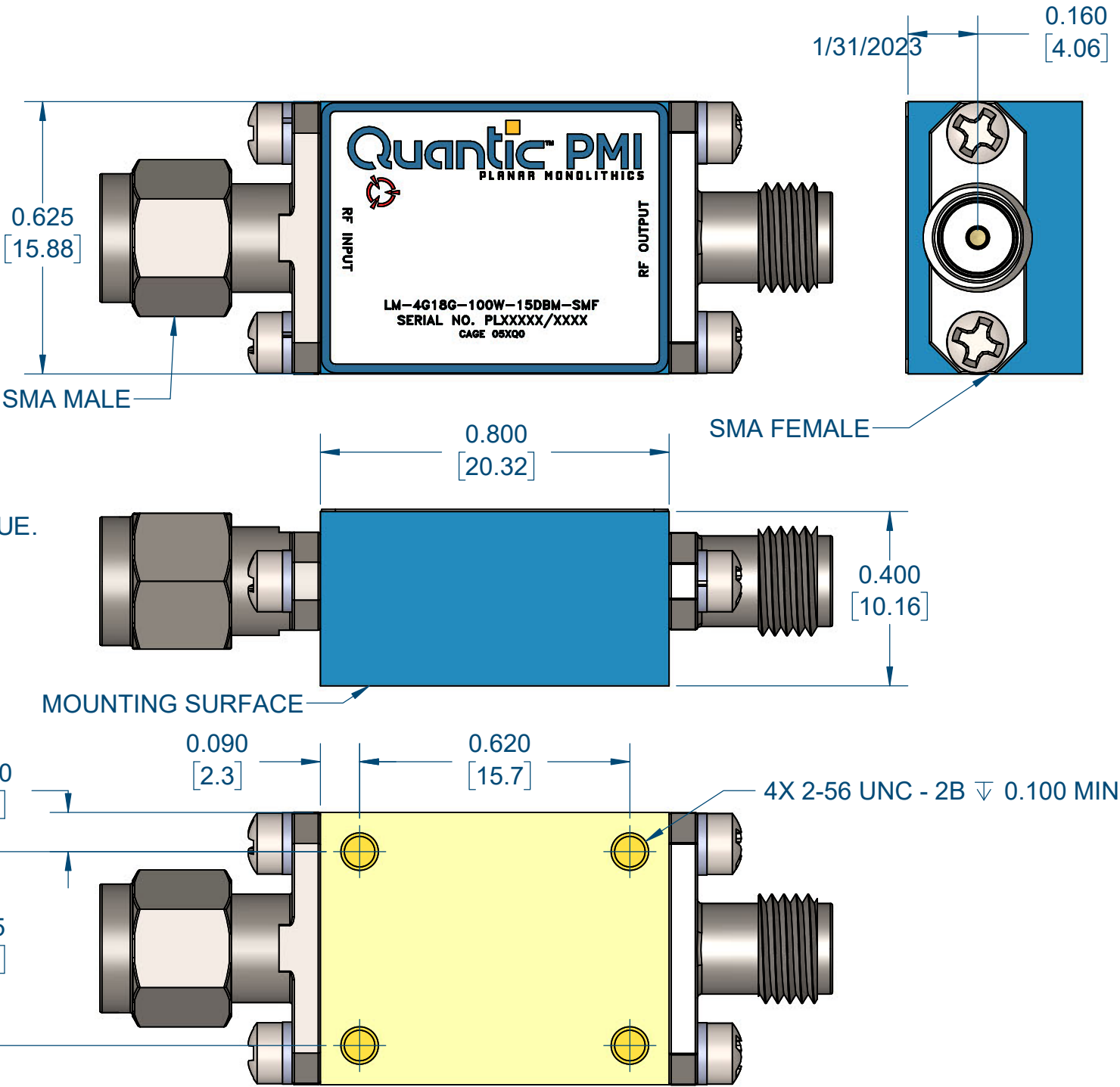
SPECIFICATIONS:

- 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:..... 2.0:1 MAX INPUT**
2.2:1 MAX 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 REQUIRMENT 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

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

APPROVALS	DATE
DRAWN M.LAULIS	2/6/2023
REDRAWN	
ISSUED	

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

TITLE			
OUTLINE			
LM-4G18G-100W-15DBM-SMF			
SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27045320	B2
SCALE 2:1			SHEET 1 OF 1