

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	

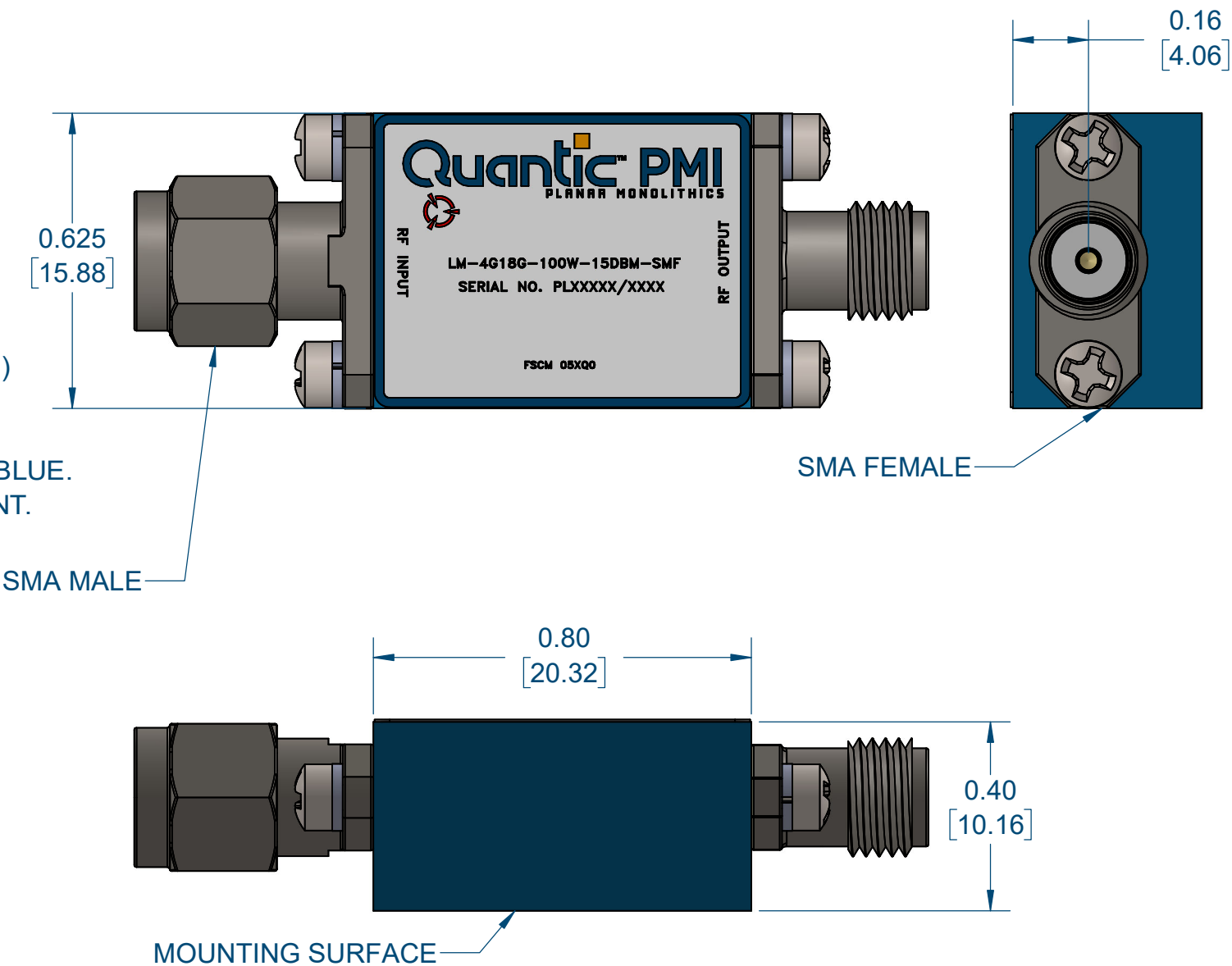
SPECIFICATIONS:

- 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)  
-57°C TO +85°C (AVAILABLE)  
-54°C TO +71°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

<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                .XX ± 0.02    ±                   .XXX ± 0.01    ±</div>					<div>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</div>					
			APPROVALS		DATE		<div>TITLE OUTLINE LM-4G18G-100W-15DBM-SMF</div>			
			DRAWN M.LAULIS		2/6/2023					
			REDRAWN				<div>SIZE    FSCM NO.    DWG NO.    REV. B        05XQ0        27045320    A2</div>			
ISSUED				SCALE 2:1		SHEET 1 OF 1				