

DESCRIPTION:

PMI MODEL NUMBER: LM-100M18G-40DBM-10DBM-SFF IS A RF LIMITER THAT OPERATES IN THE 0.1 GHz TO 18 GHz FREQUENCY RANGE. THIS LIMITER HAS A MAXIMUM INPUT POWER OF 10 W (+40 dBm) CW AND 1 kW (+60 dBm) PEAK @ 1 us PULSE WIDTH AND 1% DUTY CYCLE. MAXIMUM FLAT LEAKAGE IS 10 dBm AND VSWR IS 2.0:1 MAX

SPECIFICATIONS:

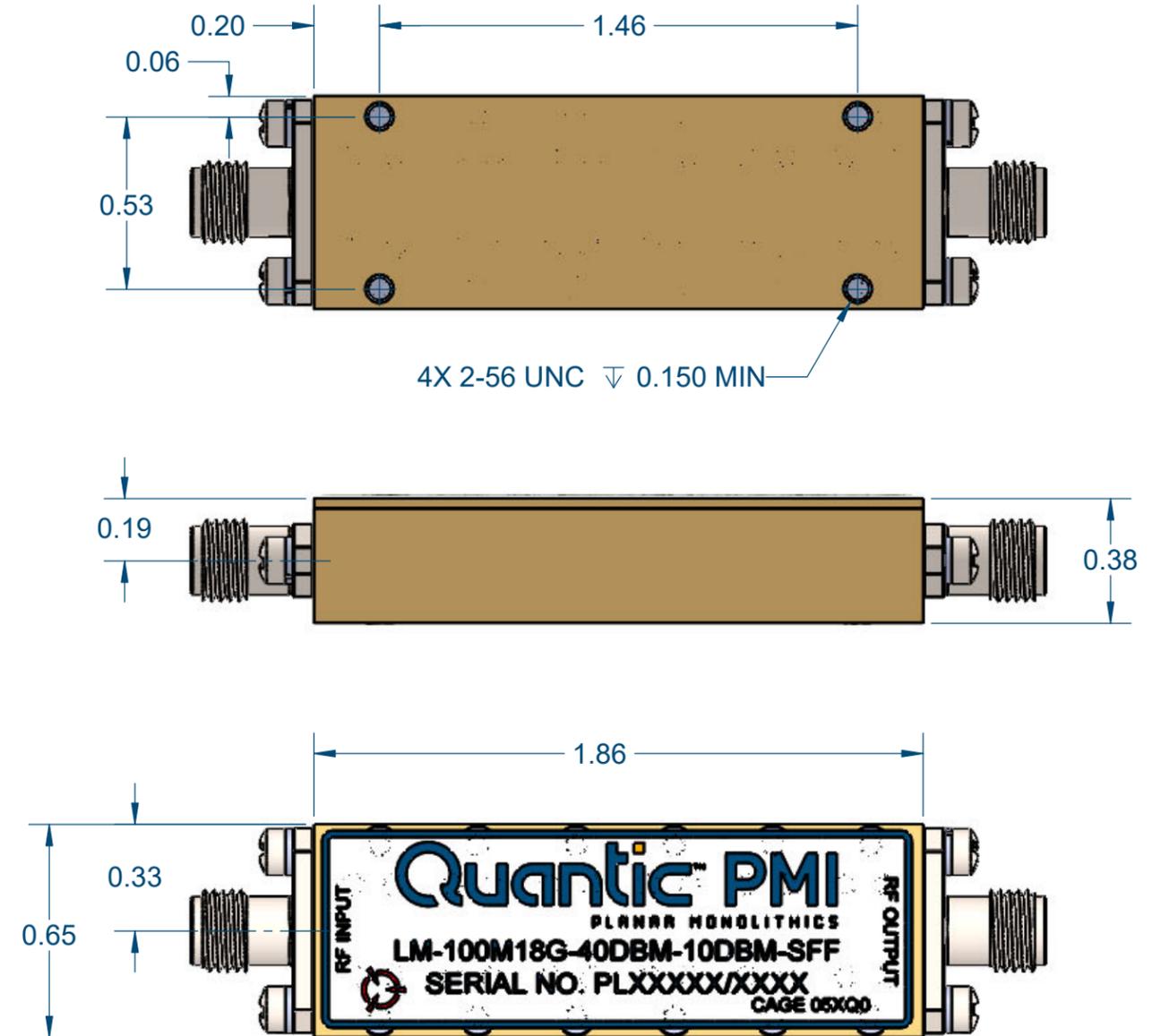
- FREQUENCY RANGE:..... 0.1 TO 18.0 GHz
- INPUT/OUTPUT VSWR:..... 2.0:1 MAX
- INSERTION LOSS:..... 4.0 dB MAX, 3.0 dB GOAL
- INPUT POWER:..... 10 W (+40 dBm) CW MAX
1 kW (+60 dBm) PEAK MAX @ 1us PW, 1% DC
- RECOVERY TIME:..... 250 ns MAX @ 1kW PEAK POWER
100 ns MAX @ 10 W
- FLAT LEAKAGE:..... 10.5 dBm MAX
- CONNECTORS:..... SMA (F) - FIELD REPLACABLE
- FINISH:..... GOLD PLATED

*INPUT AND OUTPUT DC BLOCKED

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -54°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- VIBRATION:..... MIL-STD-202, METHOD 107B COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	1/10/25	
	B1	ECN # 25-0220	7/23/2025	



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		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	
		1/10/25			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± ± .XXX ± 0.01 ±				TITLE OUTLINE LM-100M18G-40DBM-10DBM-SFF	
SIZE		FSCM NO.	DWG NO.	REV.	
B		05XQ0	27050240	B1	
SCALE 2:1			SHEET 1 OF 1		