

DESCRIPTION:

PMI MODEL NUMBER LM-10M14G-100W-1KWP-SFF-OPT17-ROHS IS A RF LIMITER THAT WORKS IN RANGE OF FREQUENCIES FROM 10 MHz TO 14 GHz. THIS LIMITER CAN HANDLE 100 W CW OVER 10 MHz TO 14 GHz, AND 1 kW PEAK (1% DUTY CYCLE, 1 us PULSE WIDTH) ENERGY INPUT, AND PROVIDES MAXIMUM LEAKAGE OF +17 dBm TYPICAL. THIS MODEL HAS A LOW LOSS OF INSERTION 1.5 dB MAX AND A RECOVERY TIME OF 100 ns MAX.

SPECIFICATIONS:

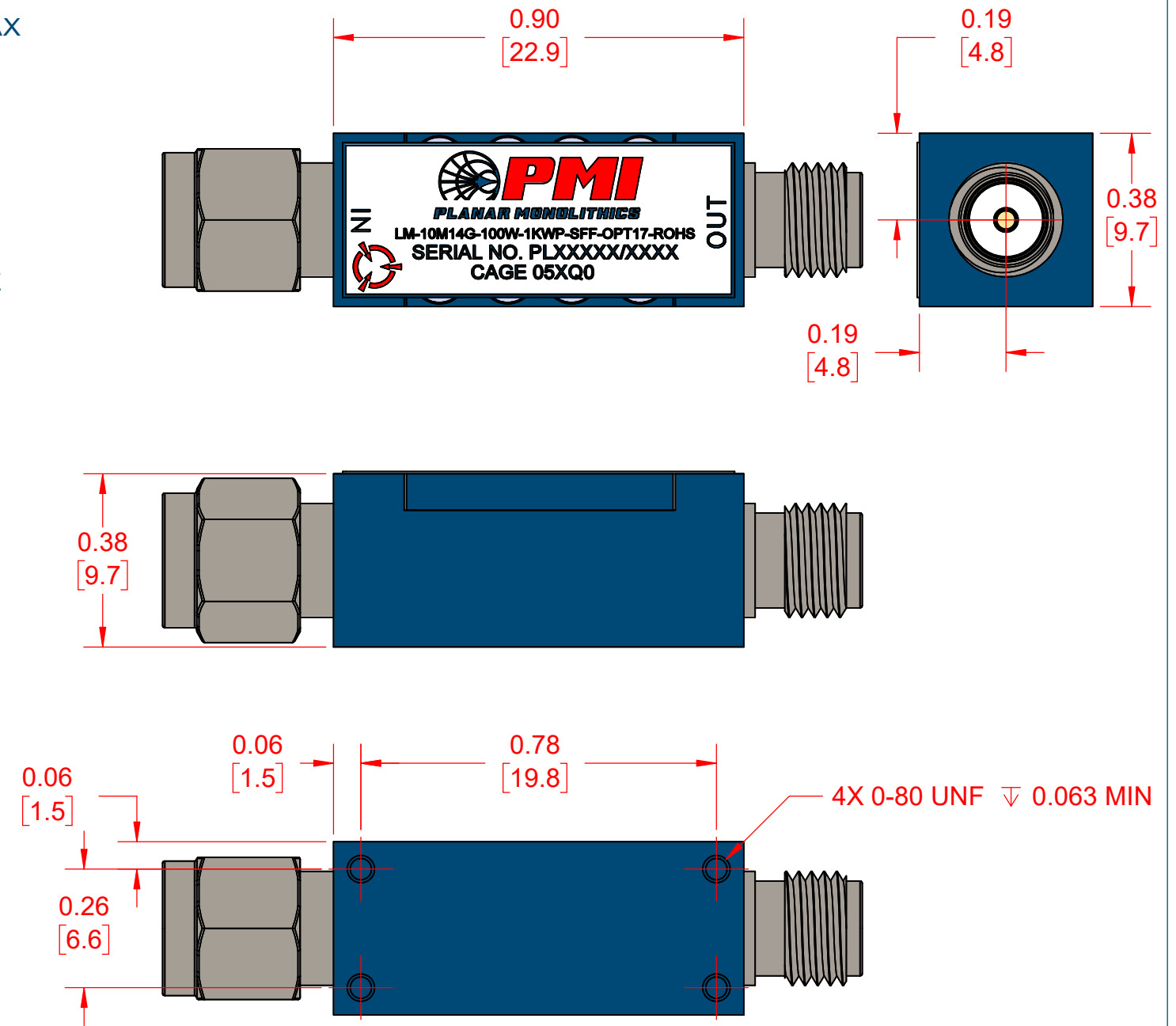
- FREQUENCY RANGE:..... 10 MHz TO 14 GHz
- VSWR @ -10 dBm INPUT:..... 2.0 : 1 MAX
- INSERTION LOSS:..... 1.5 dB MAX
- INPUT POWER:..... 100 W CW MAX
1 kW PEAK (1% DUTY CYCLE, 1 us PULSE WIDTH)
- LEAKAGE @ 100 W CW:..... 17 dBm TYPICAL
- IMPEDANCE:..... 50 OHMS
- P1dB:..... 5 dBm MIN
- RECOVERY TIME:..... 100 ns MAX
- CONNECTORS:..... SMA FEMALE/MALE REMOVEABLE
- FINISH:..... PAINTED BLUE

ENVIRONMENTAL RATINGS:


- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	3/14/2023	
	B1	ECN # 25-0231	5/12/2025	
	C1	ECN # 26-0012	1/16/2026	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DATE		 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			
REDRAWN		TITLE OUTLINE			
ISSUED		LM-10M14G-100W-1KWP-SFF-OPT17-ROHS			
		SIZE B	FSCM NO. 05XQ0	DWG NO. 27046120	REV. C1
		SCALE 4:1			SHEET 1 OF 1

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