

DESCRIPTION:

PMI MODEL: LM-10M14G-100W-1KWP-SFF IS A RF LIMITER THAT OPERATES IN THE FREQUENCY RANGE OF 10 MHz TO 14 GHz. THIS LIMITER CAN HANDLE 100W CW OVER 10 MHz TO 14 GHz, 1KWP PEAK (1% DUTY CYCLE, 1 us MAXIMUM PULSE WIDTH) ENERGY INPUT, AND PROVIDE MAXIMUM LEAKAGE OF +17 dBm. THIS MODEL HAS A LOW INSERTION LOSS OF 2.6 dB MAX AND A TYPICAL RECOVERY TIME OF 100 ns MAX

SPECIFICATIONS:

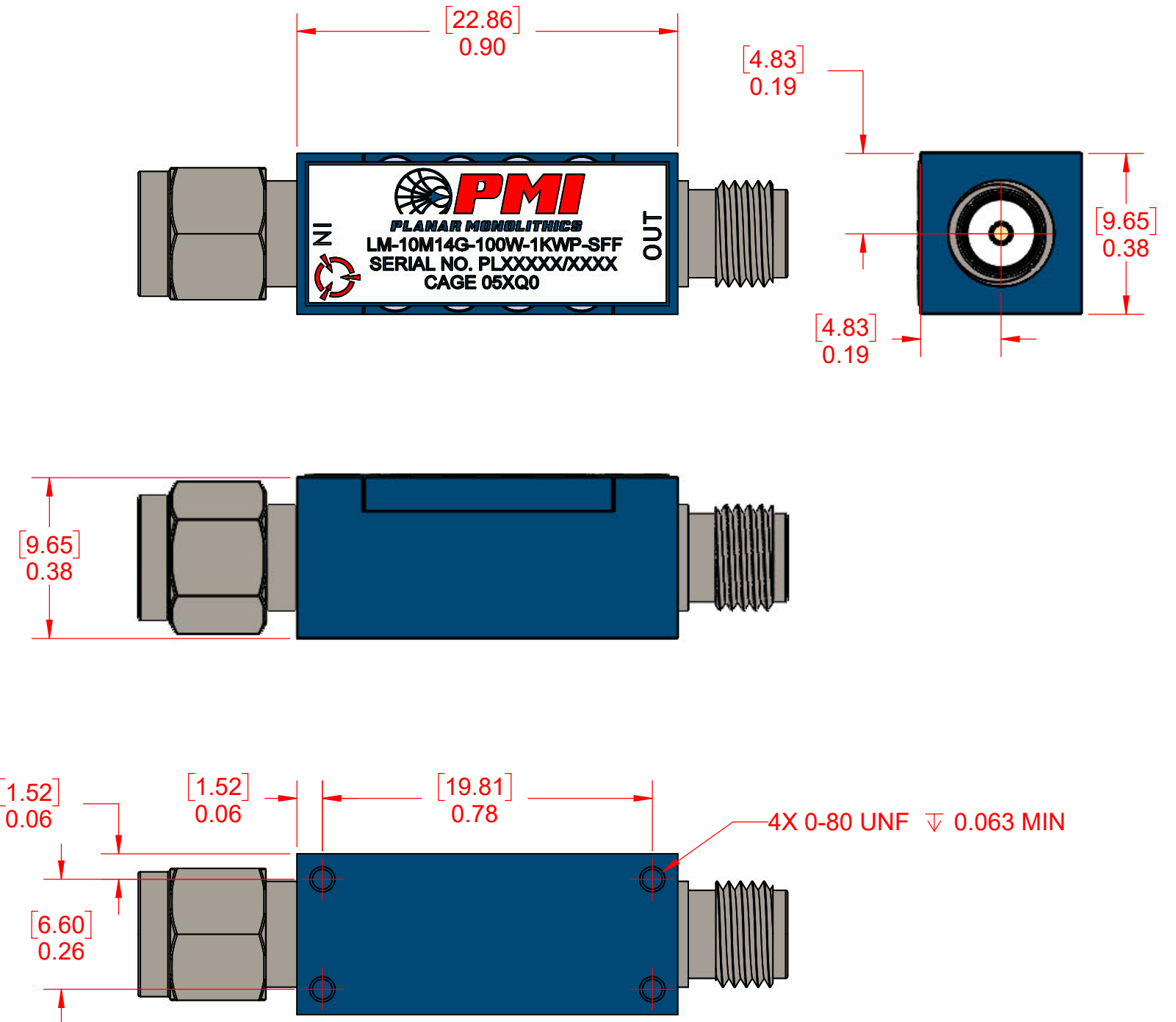
- FREQUENCY RANGE:..... 10 MHz TO 14 GHz
- VSWR (INPUT/OUTPUT) @ -10 dBm INPUT:.....2.0 : 1 MAX
- INSERTION LOSS:.....2.6 dB MAX
- INPUT POWER:..... 100 W CW MAX
1 kW PEAK MIN (1 us PULSE WIDTH, 0.1% DUTY CYCLE)
- IMPEDANCE:.....50 OHMS
- FLAT LEAKAGE @ 100 W CW:.....17 dBm MAX
- P1dB:.....5 dBm MIN
- 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	1/10/2019	
	B1	ECN # 25-0231	5/12/2025	
	C1	ECN # 26-0012	1/16/2026	



PMI CONFIDENTIAL AND PROPRIETARY

APPROVALS DRAWN NJA REDRAWN ISSUED		DATE		TITLE OUTLINE LM-10M14G-100W-1KWP-SFF	
		1/10/2019			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS .XX ± 0.02 DECIMALS .XXX ± 0.01 ANGLES ±		SIZE	FSCM NO.	DWG NO.	REV.
		B	05XQ0	27036220	C1
		SCALE 1:1			SHEET 1 OF 1



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