

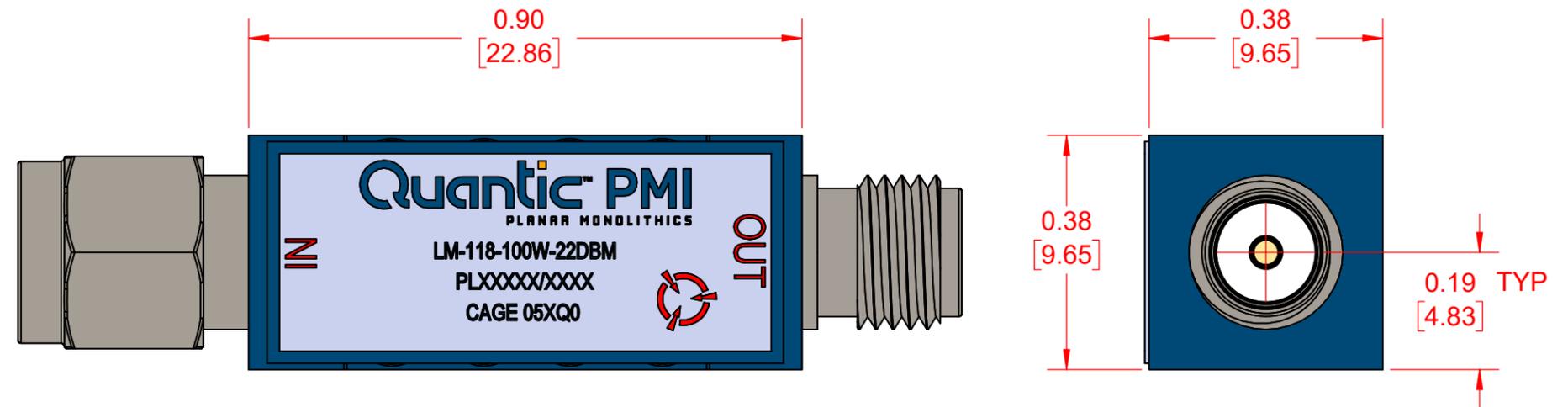
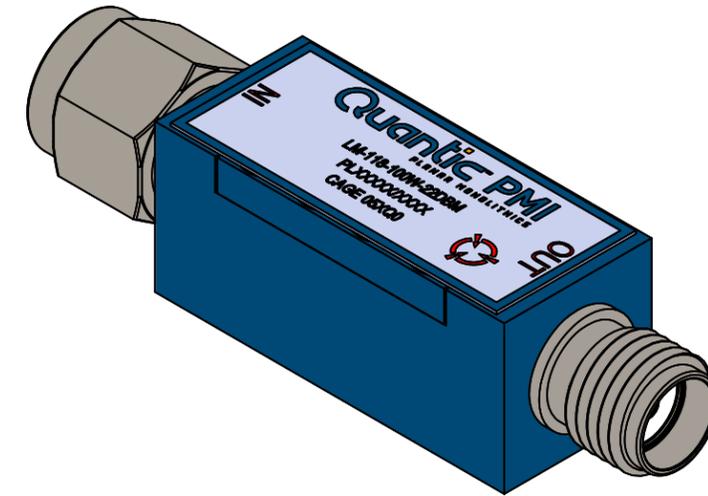
DESCRIPTION:

THE MODEL PMI LM-118-100W-22DBM IS AN RF LIMITER THAT OPERATES IN THE RANGE OF FREQUENCIES FROM 1GHZ TO 18GHZ. THIS LIMITER CAN HANDLE UP TO 100W CW OVER TEMPERATURE (-55°C TO +85°C). THE LEAKAGE POWER IS +22 dBm MAX. THIS MODEL HAS A LOW INSERTION LOSS OF 3.0 dB AND A MAXIMUM 100ns RECOVERY TIME.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 1.0 TO 18.0 GHZ
- RF POWER HANDLING:..... 100W CW MAX @ -55°C TO +85°C
1kW PEAK MAX +85°C (1µs Pulse Width, 0.1% Duty Cycle)
100W (1µs, 1% DUTY CYCLE, 10kHz)
100W (10 µs, 0.1% DUTY CYCLE, 100HZ)
100W (1 µs, 0.1% DUTY CYCLE, 1kHz)
100W (40 µs, 10% DUTY CYCLE, 2.5kHz)
- INSERTION LOSS:..... 3.0 dB MAX @ -10dBm INPUT POWER
- RECOVERY:..... 100ns MAX @ 100W PEAK POWER
- LEAKAGE POWER:..... +22 dBm MAX @ 100W CW
- VSWR:..... 2.0:1 MAX @ -10dBm INPUT POWER
- LIMITING THRESHOLD (P1dB):..... +12 dBm MIN.
- CONNECTORS:..... INPUT: SMA MALE
OUTPUT: SMA FEMALE
- WEIGHT:..... 20g [0.705 oz] MAX
- SIZE:..... (L) 0.90" X (W) 0.38" X (H)0.38" MAX
(EXCLUDING CONNECTORS)
- FINISH:..... PAINTED BLUE

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/21/2023	
	B1	ECN # 24-0166	06/07/2024	
	B2	ECN # 24-0260	9/10/2024	



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-62°C TO +95°C (STORAGE)

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 12/21/2023 S AZHAR REDRAWN ISSUED		TITLE OUTLINE LM-118-100W-22DBM	
		SIZE B	FSCM NO. 05XQ0	DWG NO. 27047900	REV. B2
SCALE 4:1			SHEET 1 OF 1		



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