

DESCRIPTION:

THE MODEL PMI LM-20M18G-100W-15DBM-TH-OPT26 IS AN RF LIMITER THAT OPERATES IN THE RANGE OF FREQUENCIES FROM 2 GHz TO 6 GHz. THIS LIMITER CAN HANDLE UP TO 100 W CW FOR ALL TEMPERATURES (-55°C TO +85°C) THE ENERGY INPUT PROVIDES LEAKAGE OF +16 dBm MAX. THIS MODEL HAS A LOW INSERTION LOSS OF 1.3 dB AND A MAXIMUM 100ns RECOVERY TIME.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 2.0 TO 6.0 GHz
- RF POWER HANDLING:..... 100W CW MAX
1KW PEAK MIN +85°C (1µs PULSE WIDTH, 0.1% DUTY CYCLE)
100W (1µs PULSE WIDTH, 1% DUTY CYCLE, 10 kHz)
100W (10 µs PULSE WIDTH, 0.1% DUTY CYCLE, 100 Hz)
100W (1µs PULSE WIDTH, 0.1% DUTY CYCLE, 1 kHz)
100W (40µs PULSE WIDTH, 10% DUTY CYCLE, 2.5 kHz)
- INSERTION LOSS:..... 1.3 dB MAX @ -10 dBm INPUT POWER
- RECOVERY TIME:..... 100ns MAX @ 100 W PEAK POWER
- LEAKAGE POWER:..... +15 dBm TYP, +16 dBm MAX AT 100W CW
- VSWR:..... 2.0 : 1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD (P1dB):..... +5 dBm MIN
- CONNECTORS:..... INPUT: SMA MALE, OUTPUT: SMA FEMALE
- WEIGHT:..... 20g [0.705 oz] MAX
- SIZE:..... 15.88mm x 20.32mm x 10.16mm
0.625" x 0.80" x 0.40"
EXCLUDING CONNECTORS
- FINISH:..... PAINTED BLUE

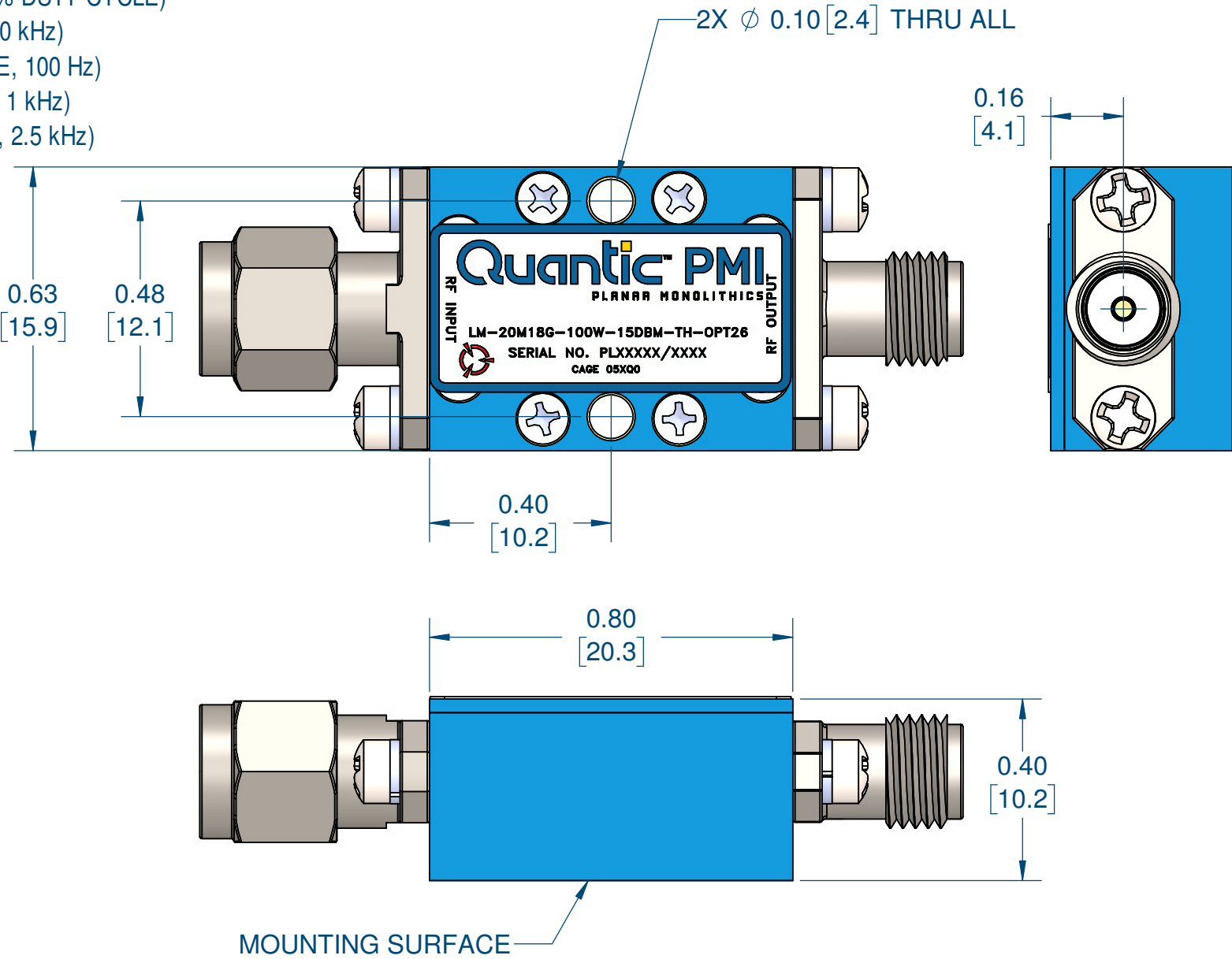
*NO DC BLOCKS ARE USED INSIDE THIS LIMITER

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-62°C TO +95°C (STORAGE)
- VIBRATION:..... 0.1 inchpp OR ± 10G, 5 ~ 500 Hz
(FIGURE 2, SHEET 1 OF 3, CURVE IV)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B 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	10/5/2023	
	A2	ECN # 24-0027	01/31/2024	



PMI CONFIDENTIAL AND PROPRIETARY

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			APPROVALS		DATE	
DRAWN M.LAULIS			10/5/2023		TITLE OUTLINE	
REDRAWN			LM-20M18G-100W-15DBM-TH-OPT26			
ISSUED			SIZE B	FSCM NO. 05XQ0	DWG NO. 27347120	REV. A2
			SCALE 2:1			SHEET 1 OF 1

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