

DESCRIPTION:

PMI MODEL: LM-20M3G-100W-15DBM-SFF-PM IS A COAXIAL LIMITER WITH AN OPERATING RANGE OF 20 MHz TO 3.0 GHz. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 1 dB WITH A VSWR OF 1.5:1 MAXIMUM. THIS COMPACT UNIT MEASURES 0.90" x 0.38" SQUARE AND IS OUTFITTED WITH SMA CONNECTORS.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 20 MHz TO 3.0 GHz
- RF POWER HANDLING:..... 100 W CW MAX @ -55 TO +85°C
1 kW PEAK MIN +85°C (1 μs PULSE WIDTH, 0.1% DUTY CYCLE)
- INSERTION LOSS:..... 1 dB MAX
- RECOVERY TIME:..... 100 ns MAX @ 100 W PEAK POWER
- LEAKAGE POWER:..... +15 dBm MAX @ 100W CW
- VSWR:..... 1.5:1 MAX
- LIMITING THRESHOLD (P1dB):..... +5 dBm MIN
- PHASED MATCHING:..... ± 3 DEGREES PER SET
- CONNECTORS:..... 2X SMA FEMALE
- WEIGHT:..... 20g [0.705 oz] MAX
- SIZE:..... (L) 0.90" X (W) 0.38" X (H) 0.38" MAX
[(L) 22.9mm X (W) 9.7mm X (H) 9.7mm MAX]
EXCLUDING CONNECTORS
- FINISH:..... GOLD PLATED

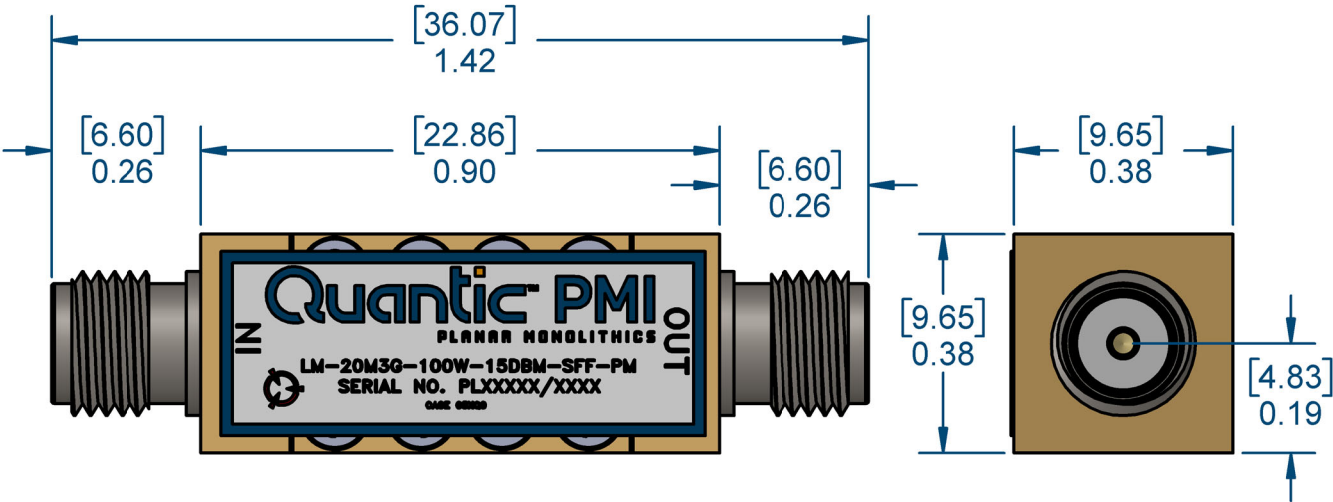
ENVIRONMENTAL RATINGS:

IAW MIL-E-5400, CLASS 2 EQUIPMENT

- 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)
- SHOCK:..... 15g, 11 ± 1 ms
- HUMIDITY:..... 100%
- ALTITUDE:..... 70,000 FT

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	1/11/2024	
	2	UPDATE POWER HANDLING	2/9/2024	



PMI CONFIDENTIAL AND PROPRIETARY

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			APPROVALS		DATE		TITLE			
			DRAWN M.LAULIS		1/11/2024					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			REDRAWN		PRODUCT FEATURE					
			ISSUED		LM-20M3G-100W-15DBM-SFF-PM					
					SIZE		FSCM NO.		DWG NO.	
					B		05XQ0		PRELIMINARY	
					SCALE 3:1		SHEET 1 OF 1			