

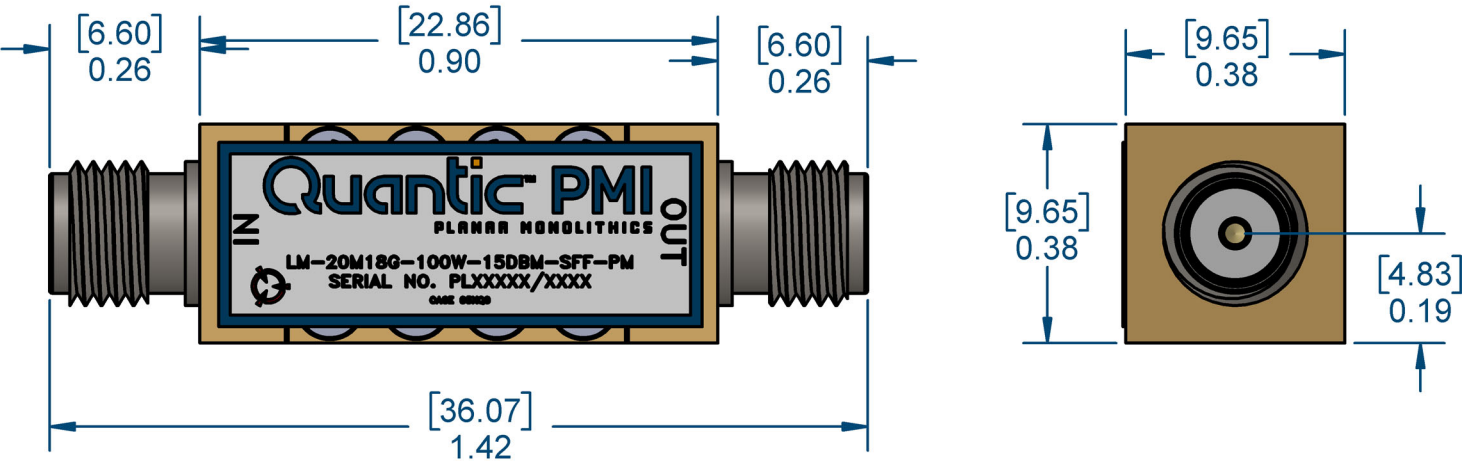
DESCRIPTION:

PMI MODEL: LM-20M18G-100W-15DBM-SFF-PM IS A COAXIAL LIMITER WITH AN OPERATING RANGE OF 20 MHz TO 18.0 GHz. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 2.6 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.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	2/9/2024	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 20 MHz TO 18.0 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:..... 2.6 dB MAX @ -10 dBm
- 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:..... ± 4 DEGREES GOAL
± 5 DEGREES MAX 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

PMI CONFIDENTIAL AND PROPRIETARY

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

					Quantic PMI 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			
			APPROVALS	DATE	TITLE PRODUCT FEATURE LM-20M18G-100W-15DBM-SFF-PM			
			DRAWN R. SIRK	2/9/2024				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			REDRAWN		REV.			
			ISSUED					
					SIZE B	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	1
					SCALE 3:1		SHEET 1 OF 1	