

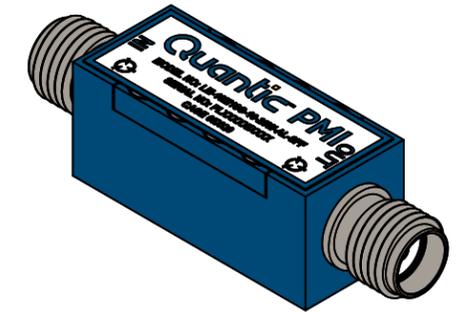
**DESCRIPTION:**

PMI MODEL: LM-10M18G-16-20W-AL-SFF IS A COAXIAL LIMITER WITH AN OPERATING RANGE OF 10 MHz TO 18.0 GHz. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 2.0 dB AT -10 dBm INPUT POWER WITH A VSWR OF 2.0:1 MAXIMUM. THIS COMPACT UNIT MEASURES 0.90" x 0.38" SQUARE AND IS OUTFITTED WITH SMA CONNECTORS.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/2/2023	

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 10 MHz TO 18.0 GHz
- RF POWER HANDLING:..... 20 W CW MAX @ -55 TO +85°C  
1 kW PEAK MAX (1 μs PULSE WIDTH, 1% DUTY CYCLE)  
100 W PEAK MAX (10 μs PULSE WIDTH, 10 % DUTY CYCLE)
- INSERTION LOSS:..... 2.0 dB MAX @ -10 dBm INPUT POWER
- RECOVERY TIME (3 dB):..... 250 ns MAX @ 1 kW PEAK POWER
- LEAKAGE POWER:..... +17 dBm MAX
- IMPEDANCE:..... 50Ω
- VSWR:..... 2.0:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD:..... +5 dBm MIN (1 dB COMPRESSION)
- CONNECTORS:..... SMA FEMALE (X2)
- WEIGHT:..... 0.705 oz [20g] 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:..... PAINTED BLUE



**MECHANICAL OUTLINE**



**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:..... 20g, 11 ± 1 ms
- HUMIDITY:..... 100%
- ALTITUDE:..... 70000 FT

PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS DRAWN <b>J ESCANO</b> REDRAWN ISSUED		DATE		TITLE OUTLINE LM-10M18G-16-20W-AL-SFF	
		10/2/2023			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS    DECIMALS    ANGLES ±                    .XX ± 0.02                    ± .XXX ± 0.01		SIZE	FSCM NO.	DWG NO.	REV.
		B	05XQ0	27047500	A1
		SCALE 4:1			SHEET 1 OF 1

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