

DESCRIPTION

PMI MODEL: LM-10M18G-16-20W-AL-OPT8G12G IS A COAXIAL LIMITER WITH AN OPERATING RANGE OF 8.0 TO 12.0 GHz. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 1.8 dB AND A TYPICAL VSWR OF 1.8:1. THIS COMPACT UNIT MEASURES 0.90" x 0.38" SQUARE AND IS OUTFITTED WITH SMA CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 8.0 TO 12.0 GHz
- PEAK POWER HANDLING: ----- 50 WATTS MIN
- POWER HANDLING: ----- 20 WATTS MIN
- LIMITING OUTPUT: ----- 15 dBm MAX
- DURATION OF SIGNAL TRANSMISSION: ----- 100 SECONDS
- SATURATION RECOVERY TIME: ----- 100 ns TYP
- INSERTION LOSS: ----- 1.8 dB MAX
- VSWR: ----- 1.8:1 TYP
- PHASE MATCHING UNIT TO UNIT PER LOT: ----- $\pm 5^\circ$ MAX
- IMPEDANCE: ----- 50 OHMS
- CONNECTORS: ----- SMA FEMALE
- WEIGHT: ----- 20g [0.705 oz] MAX
- SIZE: ----- (L) 22.86mm x (W) 9.65mm x (H) 9.65mm MAX
[(L) 0.90" x (W) 0.38" x (H) 0.38" MAX
EXCLUDING CONNECTORS
- FINISH: ----- PAINTED BLUE

ENVIRONMENTAL RATINGS

IAW MIL-E-5400, CLASS 2 EQUIPMENT

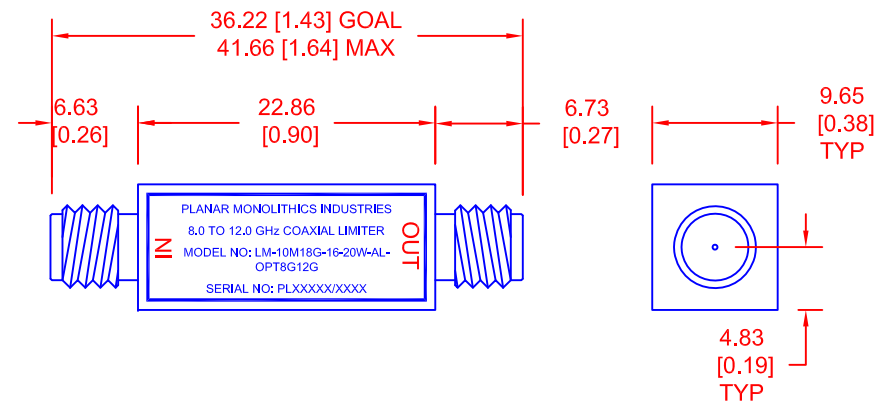
- TEMPERATURE: ----- -20 °C TO +50 °C (OPERATING)
-62 °C TO +95 °C (STORAGE)
- VIBRATION: ----- 0.49 GRMS
- SHOCK: ----- 6G
- SHOCK DURATION: ----- 11 ms
- ALTITUDE: ----- 25,000 FT

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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/14/19	

MECHANICAL OUTLINE



ALL DIMENSIONS
ARE IN mm [INCH]
TOLERANCES:
X.XX ± 0.508 [0.020]
X.XXX ± 0.254 [0.010]

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>A. Lopez</i>		09/18/18		PRODUCT FEATURE	
REDRAWN <i>EW</i>		09/18/18		LM-10M18G-16-20W-AL-OPT8G12G	
ISSUED				8.0 TO 12.0 GHz Coaxial Limiter	
SIZE A		FSCM NO.		DWG NO.	
				PRELIMINARY	
SCALE N:S				SHEET 1 OF 1	