

DESCRIPTION

PMI MODEL: LM-10M18G-16-20W-AL 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.

SPECIFICATIONS

- FREQUENCY RANGE: — 10 MHz TO 18.0 GHz
- RF POWER HANDLING: — 20W CW MAX @ -55 TO +85°C
1 KW PEAK MAX @ (1 μ s PULSE WIDTH, 1% DUTY CYCLE)
100W PEAK (10 μ s PULSE WIDTH, 10% DUTY CYCLE)
- INSERTION LOSS: — 2.0 dB MAX @ -10 dBm INPUT POWER
- RECOVERY TIME (3 dB): - 250 ns MAX @ 1000 W PEAK POWER
- LEAKAGE POWER: — +17 DBM MAX
- IMPEDANCE: — 50 Ω
- VSWR: — 2.0:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD: — +5 dBm MIN (1 dB COMPRESSION)
- CONNECTORS: — INPUT: SMA MALE
OUTPUT: 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: — -55 °C TO +85 °C (OPERATING)
-62 °C TO +95 °C (STORAGE)
- VIBRATION: — 0.1 inchpp OR \pm 10G, 5 ~ 500 Hz
(FIGURE 2, SHEET 1 OF 3, CURVE IV)
- SHOCK: — 15G, 11 \pm 1 ms
- HUMIDITY: — 100%
- ALTITUDE: — 70,000 FT

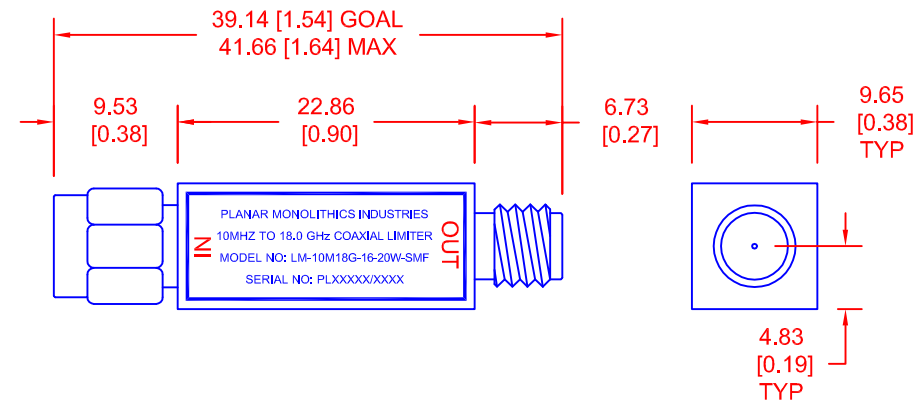
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	02/18/18	

MECHANICAL OUTLINE



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

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>A. Lopez</i>		09/18/18		PRODUCT FEATURE LM-10M18G-16-20W-AL 10 MHz to 18.0 GHz Coaxial Limiter	
CHECKED				SIZE A	FSCM NO.
ISSUED				DWG NO.	REV. A1
				SCALE N:S	SHEET 1 OF 1