

DESCRIPTION

PMI MODEL: LM-10M18G-16-20W-AL-OPT28 IS A COAXIAL LIMITER WITH AN OPERATING RANGE OF 2.0 TO 8.0 GHz. THIS LIMITER IS OUTFITTED WITH SMA CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: — 2.0 TO 8.0 GHz
- RF POWER HANDLING: — 20W CW MAX
500 W PEAK MAX - 1us PW / 1kHz PRF
- INSERTION LOSS: — 1.2 dB AT -10 dBm INPUT POWER
- RECOVERY TIME (3 dB): - 250 ns MAX
- LEAKAGE POWER: — +15 dBm TYP
- IMPEDANCE: — 50 Ω
- VSWR: — 1.7:1 MAX @ -10 dBm INPUT POWER
- LIMITING THRESHOLD: — +5 dBm NOM (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: — 20G, 11 \pm 1 ms
- HUMIDITY: — 100%
- ALTITUDE: — 70,000 FT

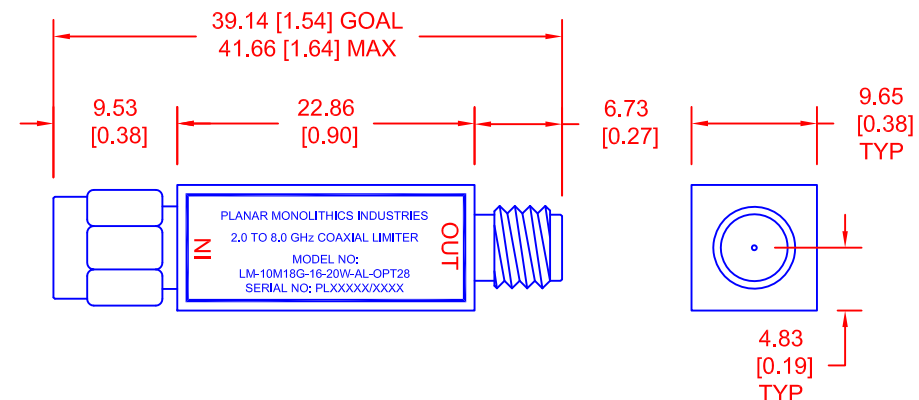
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/16/23	

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		9/16/23		PRODUCT FEATURE	
REDAWN				LM-10M18G-16-20W-AL-OPT28	
ISSUED				2.0 to 8.0 GHz Coaxial Limiter	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	