

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

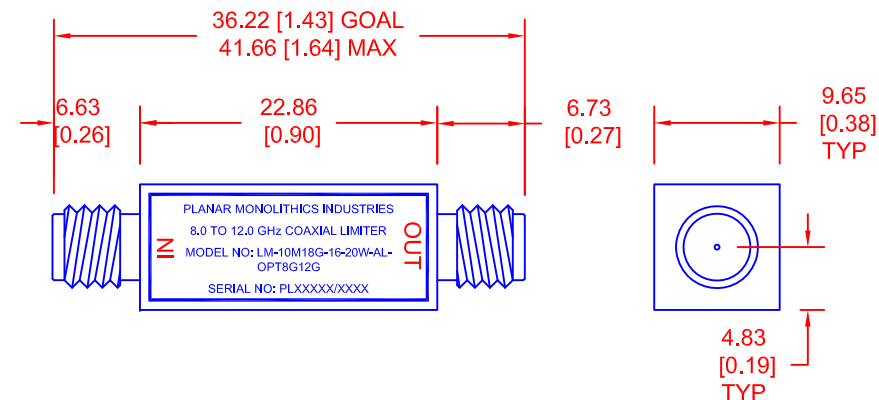
- TEMPERATURE: -20 °C TO +50 °C (OPERATING)
-62 °C TO +95 °C (STORAGE)
- VIBRATION: 0.49 GRMS
- SHOCK: 6G
- SHOCK DURATION: 11 ms
- ALTITUDE: 25,000 FT

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]

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

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 | |