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: ±5° 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

JAW 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

MECHANICAL OUTLINE

PLANAR MONOLITHICS INDUSTRIES
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

PLANAR MONOLITHICS INDUSTRIES, INC.

PRODUCT FEATURE

LM-10M18G-16-20W-AL-OPT8G12G
8.0 TO 12.0 GHz Coaxial Limiter

APPROVALS

DRAUGHTED:
A. Lopez
09/18/18
REDRAWN:
C.W.
09/18/18

PRELIMINARY

PMI CONFIDENTIAL AND PROPRIETARY

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