

DESCRIPTION

PMI MODEL LM-10M9G-100CW-1KWP-SFF IS A RF LIMITER THAT OPERATES IN THE 10MHz TO 9GHz FREQUENCY RANGE. THIS LIMITER CAN HANDLE 100W CW FROM 10MHZ TO 8GHZ AND 1KW PEAK (1% DUTY CYCLE, 1USEC MAXIMUM PULSE WIDTH) INPUT POWER AND PROVIDES A MAXIMUM LEAKAGE OF 20dBm MAXIMUM AT 100W CW INPUT. THIS MODEL HAS A LOW INSERTION LOSS OF 2.0dB AND A RECOVER TIME OF 100NSEC TYPICAL.

SPECIFICATIONS

- FREQUENCY RANGE:10 MHz TO 9 GHz
- INSERTION LOSS:2 dB TYPICAL
- INPUT/OUTPUT VSWR:2.0 :1 MAXIMUM (AT -10dBm INPUT)
- IMPEDANCE:50 OHMS
- INPUT POWER:100 WATTS CW MAXIMUM 10MHZ TO 8GHZ)
80W WATTS CW MAXIMUM AT 9GHZ)
50W WATTS CW MAXIMUM 10MHZ TO 9GHZ
ALLTEMPERATURES
1KW PEAK (1% DUTY CYCLE, 1USEC MAXIMUM PULSE WIDTH)
- MAXIMUM FLAT LEAKAGE:20dBm MAXIMUM AT 100W CW
- P1dB:5 dBm TYPICAL
- RECOVERY TIME:100nsec TYPICAL
- SEALING:OPTION E (EPOXY) OR H (HERMETIC)
UNLESS OTHERWISE SPECIFIED, PMI WILL SUPPLY EPOXY SEAL
- FINISH:GOLD PLATED

NOTES:

1. NO DC BLOCKS ARE INSIDE THIS LIMITER.

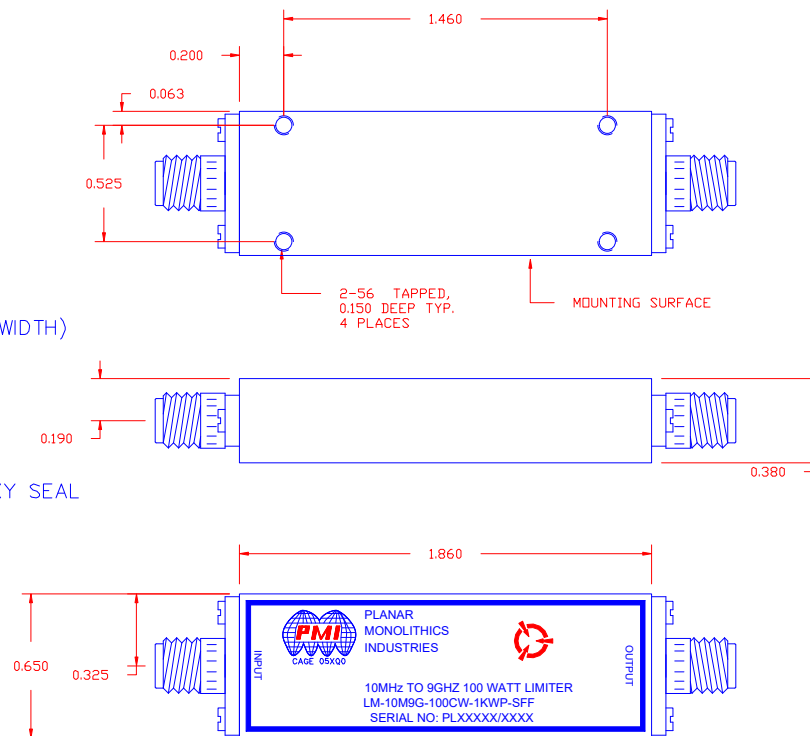
ENVIRONMENTAL RATINGS

- TEMPERATURE:-55°C TO +85° (OPERATING)
-60°C TO +100°C (STORAGE)
- STABILIZATION BAKE:MIL-STD-883, METHOD 1008, TEST COND. B
- THERMAL CYCLE:MIL-STD-883, METHOD 1010, TEST COND. B
- CONSTANT ACCELERATION: MIL-STD-883, METHOD 2001, A (Y1 AXIS)
- EXTERNAL VISUAL:MIL-STD-883, METHOD 2009

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

| REVISIONS | | | | |
|-----------|------|------------------|----------|----------|
| ZONE | REV. | DESCRIPTION | DATE | APPROVED |
| | A1 | ORIGINAL RELEASE | 03/26/19 | |
| | A2 | ECN # 21-0033 | 03/11/21 | |

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



| APPROVALS | | DATE | TITLE | | |
|-----------|------------|----------|--|----------|--------------|
| DRAWN | <i>ALL</i> | 8/24/18 | PRODUCT FEATURE LM-10M9G-100CW-1KWP-SFF | | |
| CHECKED | <i>GJR</i> | 03/26/19 | SIZE | FSCM NO. | DWG NO. |
| ISSUED | | | A | 05XQ0 | 27036460 |
| | | | SCALE | N: S | SHEET 1 OF 1 |
| | | | | | REV. A2 |