

DESCRIPTION

PMI MODEL LM-10M2D5G-100CW-1KWP-SFF-OPT3G3D7G IS A RF LIMITER THAT OPERATES IN THE 3.0 TO 3.7 GHz FREQUENCY RANGE. THIS LIMITER CAN HANDLE 100W CW AND 1000W PEAK (1% DUTY CYCLE, 1USEC MAXIMUM PULSE WIDTH) INPUT POWER AND PROVIDES A CW FLAT LEAKAGE OF +13DBM TYPICAL.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	4/12/18	

SPECIFICATIONS

- FREQUENCY RANGE:.....3.0 TO 3.7 GHz
- INSERTION LOSS:.....2.0 dB MAXIMUM
- INPUT/OUTPUT VSWR:.....1.9:1 MAXIMUM
- INPUT POWER:100 WATTS CW (NOTES 1, 2)
1000 W PEAK (1% DUTY CYCLE, 1 USEC MAXIMUM PULSE WIDTH)
(NOTES 1, 2, 3)
- CW FLAT LEAKAGE:.....13 dBm TYPICAL, 14 dBm MAXIMUM
- FINISH:GOLD PLATED

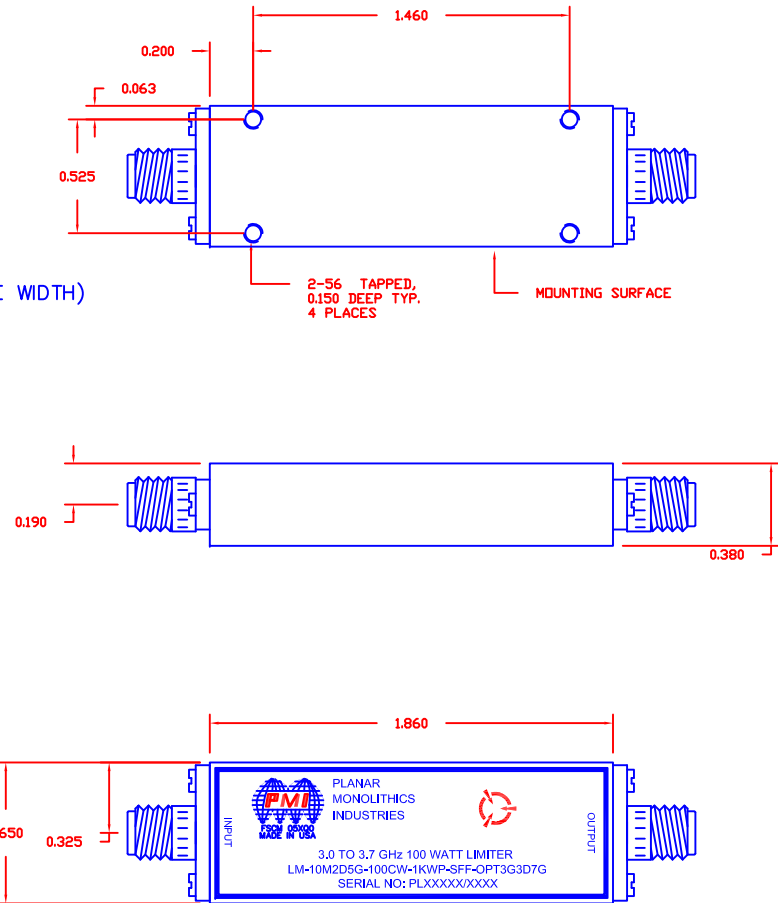
- NOTES:
1. POWER RATING AT 25°C: DERATED LINEARLY TO ZERO @ 150°C
 2. HIGH POWER TEST DURATION: FULL RATED POWER FOR 10 SECONDS
 3. HIGH POWER PEAK CONDITIONS: 1KW PEAK (1% DUTY CYCLE, 1USEC MAXIMUM PULSE WIDTH)
 4. EXTERNAL DC BLOCKS ARE REQUIRED FOR PROPER FUNCTION.

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

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ALL DIMENSIONS ARE IN INCHES
 TOLERANCES:
 X.XX ±0.020
 X.XXX ±0.010

APPROVALS		DATE	TITLE			
DRAWN	<i>VR</i>	01/27/15	PRODUCT FEATURE			
CHECKED	<i>BW</i>	4/12/18	LM-10M2D5G-100CW-1KWP-SFF-OPT3G3D7G			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
			SCALE	N: S		SHEET 1 OF 1