

DESCRIPTION

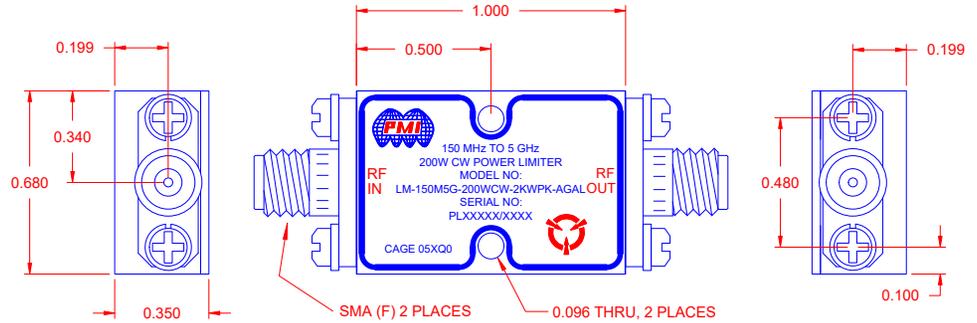
PMI MODEL: LM-150M5G-200CW-2KWPK-AGAL IS A ULTRA HIGH POWER LIMITER OPERATING IN THE FREQUENCY RANGE 150 MHz TO 5 GHz, WITH 200W OF CW POWER HANDLING (+53 dBm), AND PEAK POWER 2 kW TYPICALLY (+63 dBm), 25µs PW, 5% DUTY CYCLE. THIS COMPACT HOUSING IS FITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE 150 MHz to 5 GHz
- POWER HANDLING 200 Watts CW (+53 dBm) Typ. * Note 1
2 kW Peak Power (+63 dBm) Typ. * Note 2
(25 µs PW, 5% Duty Cycle)
- INSERTION LOSS 2.00 dB Max. (150 MHz to 300 MHz)
1.50 dB Max. (300 MHz to 5 GHz)
- VSWR (IN/OUT) 1.9:1 Max.
- FLAT LEAKAGE POWER +20 dBm Typ.
- P1dB +6 dBm Min.
- RECOVERY TIME 100 ns Max.
- CONNECTORS SMA FEMALE
- PACKAGE SIZE 1.00" x 0.68" x 0.35"
- PACKAGE FINISH BLUE PAINT

* NOTE 1: Tested up to 100 Watts CW from 150 MHz to 5 GHz, (Theoretically it can handle 200 Watts CW Typically From 150 MHz to 5 GHz)

* NOTE 2: Tested Pulse Peak Power From 150 MHz to 5 GHz, (Theoretically it can handle 2 kW Peak Power Typically 25µs PW, 5% Duty Cycle for Frequency Range 150 MHz to 5 GHz)



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/25/20	
	B1	ECN # 25-0232	8/13/25	

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
-55 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

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

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ISO 9001 CERTIFIED

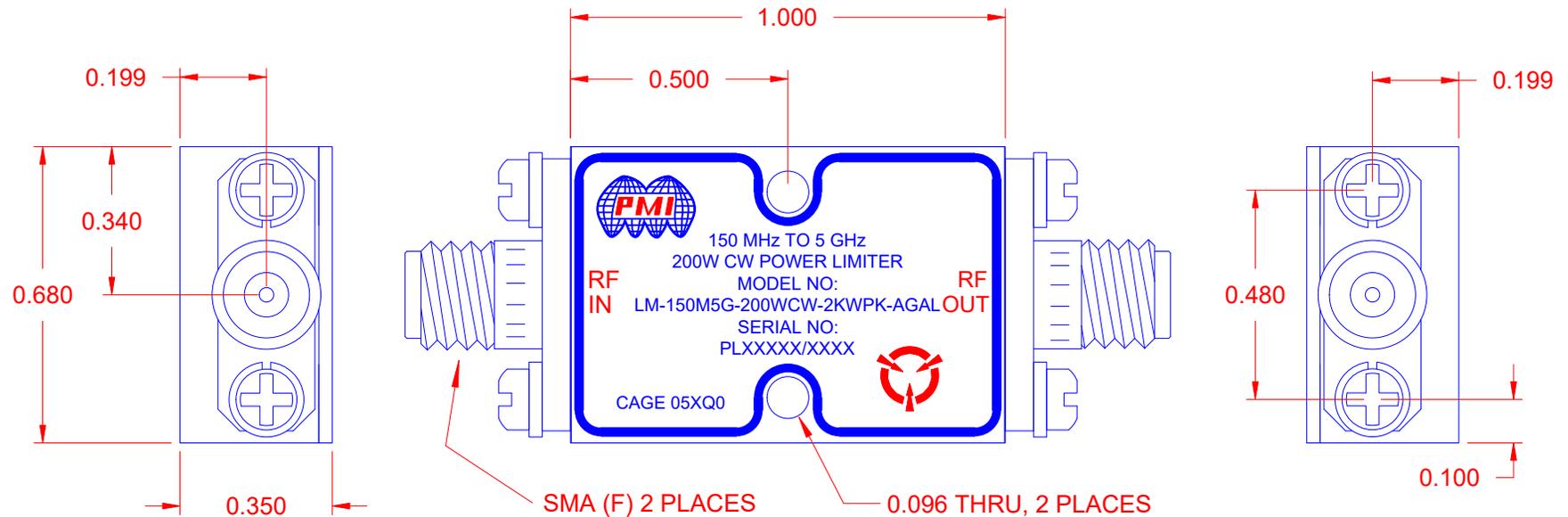


APPROVALS		DATE	TITLE			REV.
DRAWN <i>ALB</i>		9/25/20	PRODUCT FEATURE LM-150M5G-200CW-2KWPK-AGAL 150 MHz to 5 GHz 200W CW Power Limiter			B1
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27040480	
ISSUED			SCALE N:S		SHEET 1 OF 2	

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MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN		9/25/20	PRODUCT FEATURE			
CHECKED			LM-150M5G-200CW-2KWPK-AGAL			
ISSUED			150 MHz to 5 GHz 200W CW Power Limiter			
SIZE	FSCM NO.	DWG NO.	REV.			
A	05XQ0	27040480	B1			
SCALE	N:S	SHEET	2 OF 2			