

## DESCRIPTION

PMI MODEL: LM-1G18G-15-25W-SMF IS A HIGH POWER LIMITER THAT OPERATES OVER THE 1.0 TO 18.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER OF 10 WATTS CW HOUSED WITHIN A COMPACT 1.00" x 1.00" x 0.40" PACKAGE OUTFITTED WITH FIELD REPLACEABLE SMA MALE AND FEMALE CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 1.0 TO 18.0 GHz
- RF INPUT POWER: ----- 10 WATTS CW MAXIMUM
- PEAK INPUT POWER: ----- 100 WATTS MAXIMUM\*
- RF LEAKAGE: ----- +17 dBm TYPICAL
- RECOVERY TIME: ----- 100 ns MAXIMUM
- INSERTION LOSS @ -20 dBm INPUT POWER: - 2.5 dB MAXIMUM
- VSWR @ -20 dBm INPUT POWER: ----- 2.0:1 MAXIMUM
- CONNECTORS: ----- SMA (M/F)
- SIZE (EXCLUDING CONNECTORS): ----- 25.4mm x 25.4mm x 10.16mm  
1.00" x 1.00" x 0.40"
- FINISH: ----- GOLD PLATED

\* = @ 10% DUTY CYCLE & 40  $\mu$ s PULSE WIDTH TYPICAL

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (NON-OPERATING)
- 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 CYCLING: ----- MIL-STD-202, METHOD 107A COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

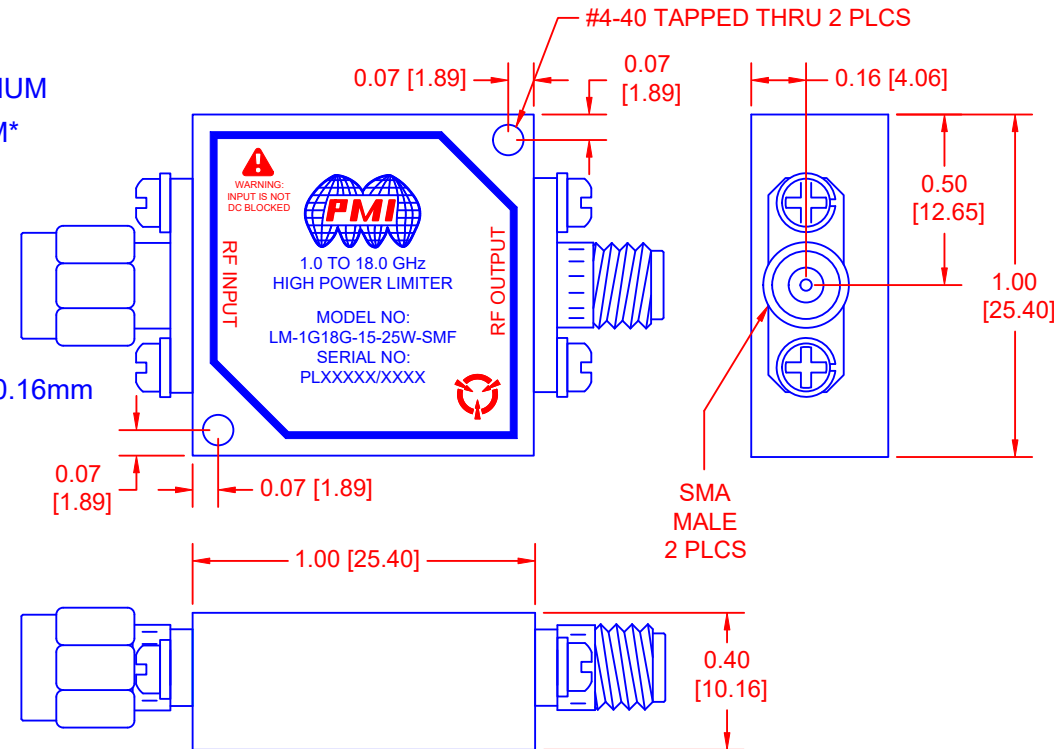
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS  
ARE IN INCH [mm]  
TOLERANCES:  
X.XX  $\pm$  0.020 [0.508]  
X.XXX  $\pm$  0.010 [0.254]

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/09/17	
	A2	ECN #25-0087	03/24/25	

## MECHANICAL OUTLINE



## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE  PRODUCT FEATURE LM-1G18G-15-25W-SMF 1.0 to 18.0 GHz High Power Limiter				
APPROVALS	DATE					
DRAWN <i>SPH</i>	<i>06/29/17</i>					
REDRAWN <i>SPU</i>	<i>11/09/17</i>	SIZE A	FSCM NO. 05XQ0	DWG NO. 27033600		REV A2
ISSUED		SCALE N:S			SHEET 1 OF 1	