

DESCRIPTION

PMI MODEL: LM-1G18G-15-25W-SMF-OPT4G8G IS A HIGH POWER LIMITER THAT OPERATES OVER THE 4.0 TO 8.0 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: ----- 4.0 TO 8.0 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: - 1.5 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 μ 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

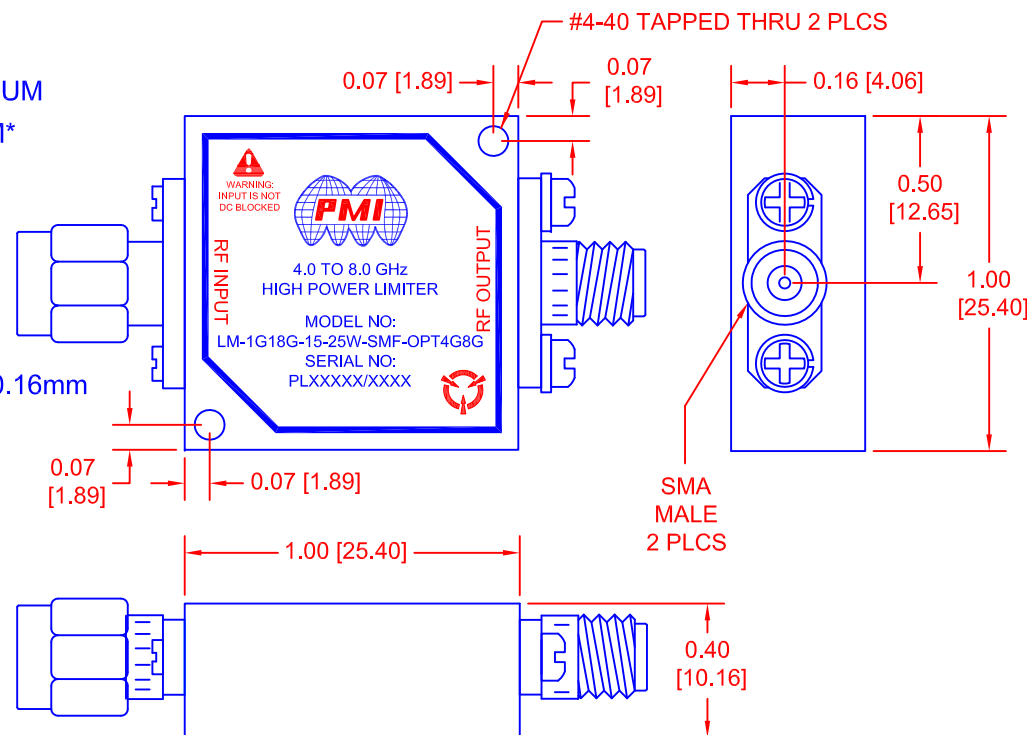
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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
	-	PRELIMINARY	4/11/18	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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



APPROVALS		DATE		TITLE			
DRAWN		06/29/17		PRODUCT FEATURE			
REDRAWN		4/11/18		LM-1G18G-15-25W-SMF-OPT4G8G			
ISSUED				4.0 to 8.0 GHz High Power Limiter			
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		PRELIMINARY		-	
SCALE		N:S		SHEET		1 OF 1	