

## DESCRIPTION

PMI MODEL: LM-100M18-2D5W-12DBM-SFF IS A HIGH POWER LIMITER THAT OPERATES OVER THE 100 MHz TO 18.0 GHz FREQUENCY RANGE. THIS MODEL IS CAPABLE OF HANDLING AN INPUT POWER OF 2.5 WATTS CW, HOUSED WITHIN A COMPACT 1.00" x 1.00" x 0.40" PACKAGE OUTFITTED WITH FIELD REPLACEABLE SMA FEMALE CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 100 MHz TO 18.0 GHz
- RF INPUT POWER: ----- 2.5 WATTS CW MAXIMUM
- RF LEAKAGE: ----- +12 dBm MAXIMUM
- RECOVERY TIME: ----- 100 ns TYPICAL
- INSERTION LOSS @ -20 dBm INPUT POWER: - 2.5 dB MAXIMUM
- VSWR @ -20 dBm INPUT POWER: ----- 2.0:1 MAXIMUM
- CONNECTORS: ----- SMA FEMALE
- SIZE (EXCLUDING CONNECTORS): ----- 25.4mm x 25.4mm x 10.16mm  
1.00" x 1.00" x 0.40"
- FINISH: ----- GOLD PLATED

\* = @ 0.1% DUTY CYCLE & 1  $\mu$ s PULSE WIDTH

## 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

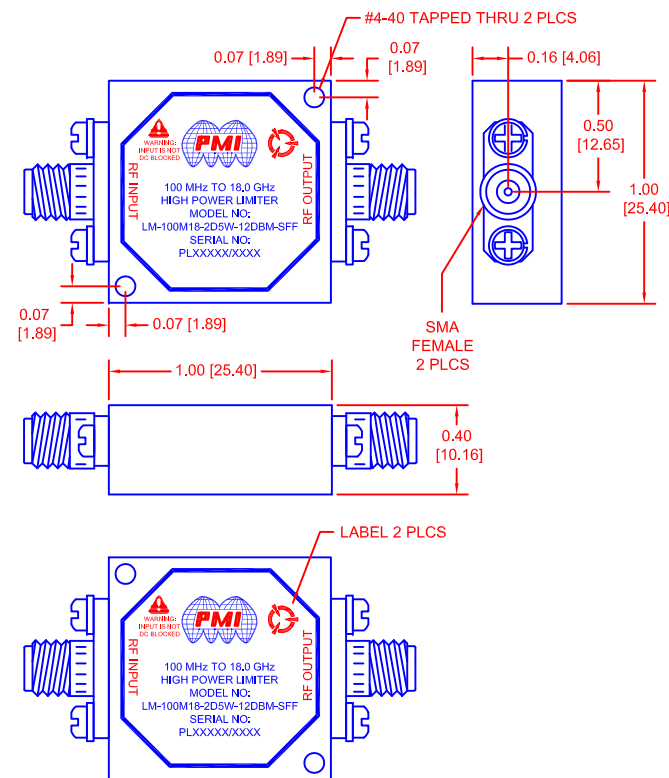
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	5/24/19	JPH

## MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		JPH		2/7/18			
REDRAWN		CW		5/24/19			
ISSUED							
SIZE		FSCM NO.		DWG NO.		REV.	
A		05XQ0		PRELIMINARY		-	
SCALE		N:S		SHEET		1 OF 1	

PRODUCT FEATURE  
LM-100M18-2D5W-12DBM-SFF  
100 MHz to 18.0 GHz High Power Limiter