

# DESCRIPTION

PMI MODEL: LM-1G18G-15-3W-500WP-SFF 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 3 WATTS CW & 500 WATTS PEAK, HOUSED WITHIN A COMPACT 1.00" x 1.00" x 0.40" PACKAGE OUTFITTED WITH FIELD REPLACEABLE SMA FEMALE CONNECTORS.

# SPECIFICATIONS

- FREQUENCY RANGE: ----- 1.0 TO 18.0 GHz
- RF INPUT POWER: ----- 3 WATTS CW MAXIMUM
- PEAK INPUT POWER: ----- 500 WATTS MAXIMUM\*
- RF LEAKAGE: ----- +17 dBm TYPICAL
- 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 μs 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

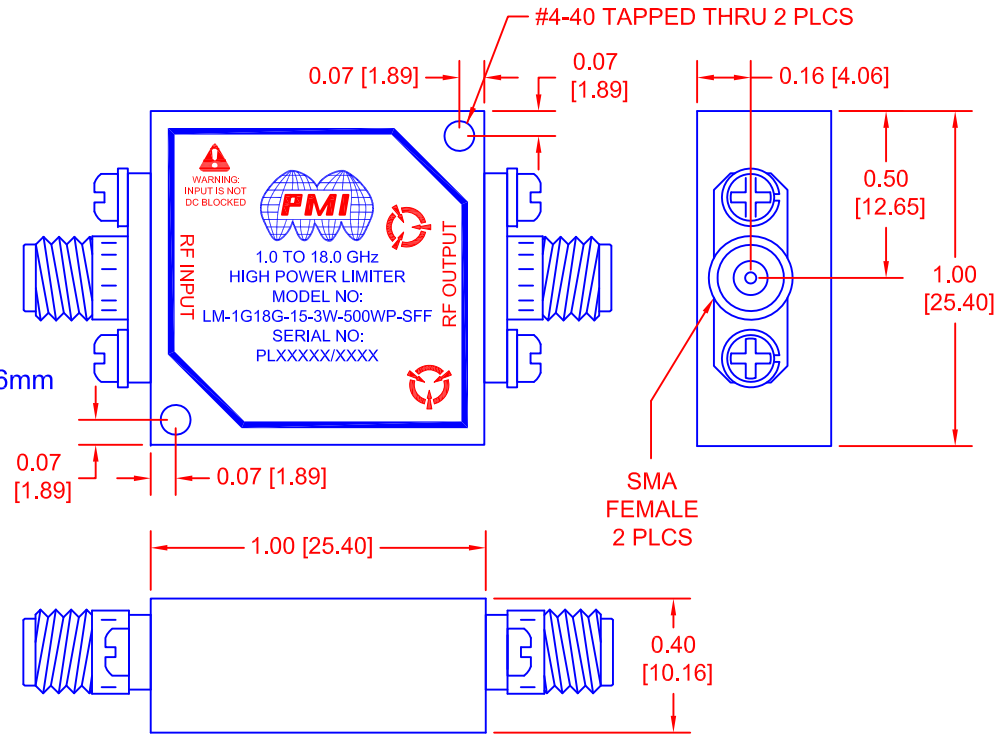
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/26/18	

# MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN <i>SPH</i>		2/7/18	PRODUCT FEATURE LM-1G18G-15-3W-500WP-SFF 1.0 to 18.0 GHz High Power Limiter			
REDRAWN <i>SPU</i>		2/26/18	SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27034282	A1
SCALE			N:S		SHEET 1 OF 1	