

DESCRIPTION

PMI MODEL: LM-1G18G-15-25W-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 25 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: 1.0 TO 18.0 GHz
- RF INPUT POWER: 25 WATTS CW MAXIMUM
- PEAK INPUT POWER: 250 WATTS MAXIMUM*
- RF LEAKAGE: +15 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

* = @ 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

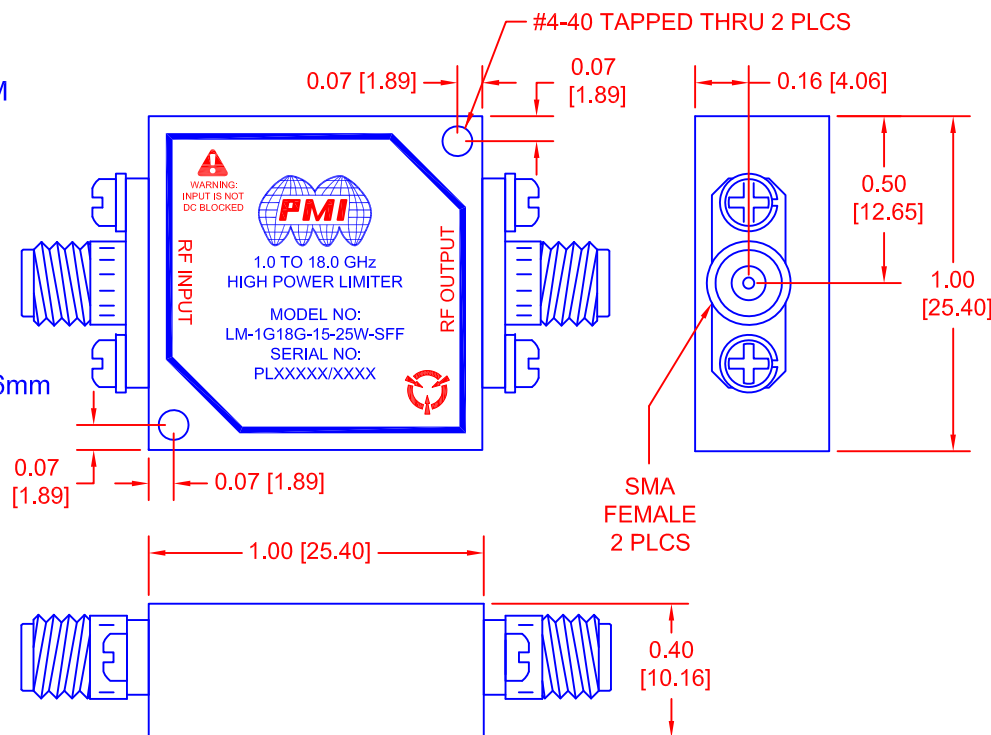
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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
	A1	ORIGINAL RELEASE	07/29/17	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE LM-1G18G-15-25W-SFF 1.0 to 18.0 GHz High Power Limiter						
APPROVALS						DATE		
DRAWN <i>JPH</i>						<i>06/29/17</i>		
REDRAWN <i>M. Berry</i>						<i>07/28/17</i>		
ISSUED			SIZE A	FSCM NO. 05XQ0	DWVG NO. 27033060	REV. A1		
		SCALE	N:S		SHEET	1 OF 1		