

DESCRIPTION

PMI MODEL: LM-812-15-25W-SMM IS A HIGH POWER LIMITER THAT OPERATES OVER THE 8.0 TO 12.0 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 MALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 8.0 TO 12.0 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: 1.8 dB MAXIMUM
- AMPLITUDE MATCHING PER SET**: 0.5 dB MAXIMUM
- PHASE MATCHING PER SET**: +/-5 Degrees MAXIMUM @ 10GHz
- VSWR @ -20 dBm INPUT POWER: 1.7:1 MAXIMUM / 1.5:1 GOAL
- CONNECTORS: SMA MALE
- 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

** = SET DEFINED AT TIME OF ORDER PER LOT

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

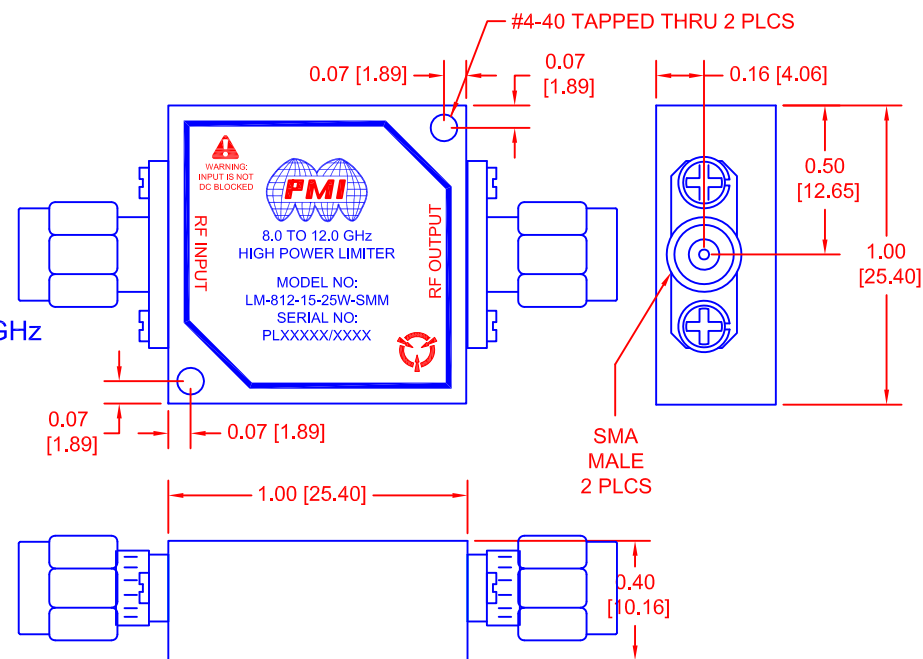
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	1/7/21	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN <i>JPH</i>		1/7/21		PRODUCT FEATURE LM-812-15-25W-SMM 8.0 to 12.0 GHz High Power Limiter	
REDRAWN				SIZE A	FSCM NO. 05XQ0
ISSUED				DWG NO.	PRELIMINARY
				SCALE N:S	SHEET 1 OF 1