

DESCRIPTION

PMI MODEL NO. LM-9G9R5G-PIN-20W IS A LIMITER THAT OPERATES OVER THE FREQUENCY RANGE OF 9.3 TO 9.5 GHZ. THIS MODEL IS OUTFITTED WITH PINS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	3/20/2019	
	1	SPEC UPDATES	7/5/2019	

SPECIFICATIONS

- FREQUENCY RANGE: 9.3 TO 9.5 GHz
- IMPEDANCE: 50 Ohms
- PEAK POWER: 300 WATTS (+54.78 dBm) MIN
PULSE WIDTH 1us TO 13us
DUTY CYCLE 6% MAX
PRF 1400 Hz OR 4000 Hz SELECTABLE
- FLAT LEAKAGE: 40 mW (+16 dBm) MAX FOR 1us OR 13us
BASED ON PULSE SELECTION
- SPIKE LEAKAGE: 250 mW (+24 dBm) MAX FOR 1us
- RECOVERY TIME: 2 us
- VSWR: 2.0:1 MAX (INPUT AND OUTPUT)
- INSERTION LOSS: 2.0 dB MAX
- CONNECTORS: SMA (F)
- FINISH: GOLD PLATED OVER NICKEL

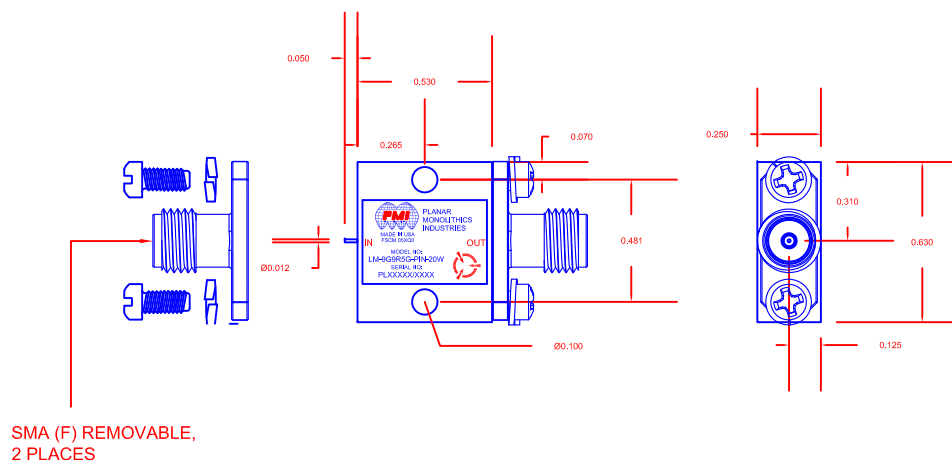
*NOTE: THE LIMITER MUST BE CAPABLE OF PERFORMING TO FULL SPECIFICATION WHEN RF PULSE PATTERNS 1 AND 2 ARE APPLIED SIMULTANEOUSLY.

*NOTE: ALUMINUM ALLOY 6061-T6

*NOTE: SHALL NOT ACT AS A NUTRIENT TO MOULD OR OTHER GROWTHS

*NOTE: TEST REPORT TO BE PROVIDED DURING DELIVERY AND PRODUCT WARRANTY OF 1 YEAR AFTER DELIVERY.

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- OPERATING TEMPERATURE: 0 °C TO +50 °C (CASE TEMP)
- STORAGE TEMPERATURE: -40 °C TO +85 °C
- RELATIVE HUMIDITY: UP TO 95% COASTAL SALINE
- VIBRATION: SHALL OPERATE AT FULL SPECIFICATION WITH VIBRATION IN ALL THREE PRINCIPAL AXES WITH
i) AMPLITUDE DISPLACEMENT OF ± 1 mm AT A RATE BETWEEN 2.0 TO 13.2 Hz
ii) ACCELERATION OF 7 m/s² AT A RATE OF 13.2 TO 100 Hz

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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN	<i>EW</i>	3/20/19	PRODUCT FEATURE LM-9G9R5G-PIN-20W		
REDRAWN			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	PRELIMINARY
			SCALE	N:S	SHEET 1 OF 1
			REV. 1		