

DESCRIPTION

PMI MODEL NO. LM-99R5-316W-20W-PIN IS A LIMITER THAT OPERATES OVER THE FREQUENCY RANGE OF 9.0 TO 9.5 GHz. THIS MODEL IS OUTFITTED WITH PINS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 9.0 TO 9.5 GHz
- IMPEDANCE: ----- 50 Ohms
- INCIDENT RF PULSE PATTERN 1: ----- 316 WATTS (+55 dBm) MAX
PULSE WIDTH 5us MAX
DUTY CYCLE 1% MAX
AVERAGE POWER 3.2W (+35dBm) MAX
- INCIDENT RF PULSE PATTERN 2: ----- 20 WATTS (+43 dBm) MAX
RANGE OF PULSE WIDTH 100ns TO 130us
DUTY CYCLE 13% MAX
AVERAGE POWER 2.0W (+33dBm) MAX
- FLAT LEAKAGE: ----- 200mW (+23 dBm) MAX
- SPIKE LEAKAGE: ----- 250 mW (+24 dBm) MAX
- SPIKE ENERGY: ----- 0.1 ERG MAX
- RECOVERY TIME: ----- 100ns
- VSWR: ----- 1.9:1 MAX (INPUT AND OUTPUT)
- INSERTION LOSS: ----- 1.8 dB MAX (@ -50dBm)
- CONNECTORS: ----- 0.012" DIA RF PIN
- 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, GOLD PLATING OVER NICKLE

*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.

ENVIRONMENTAL RATINGS

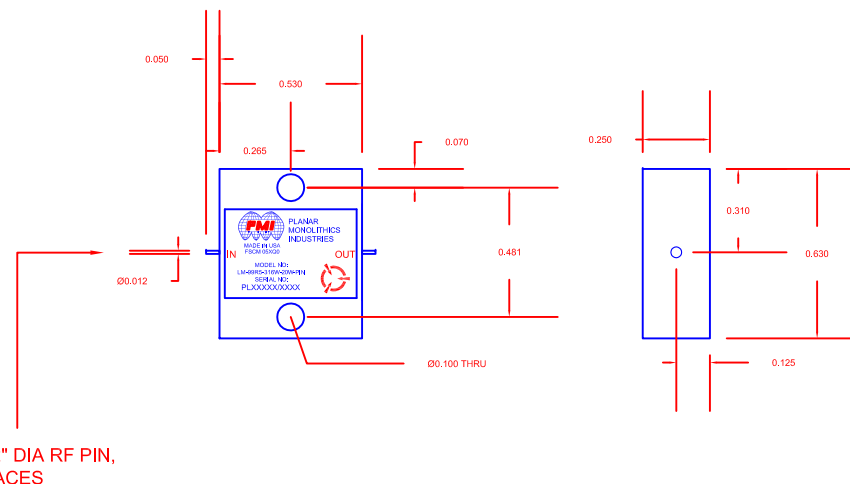
- OPERATING TEMPERATURE: ----- -40 °C TO +90 °C (CASE TEMP)
- STORAGE TEMPERATURE: ----- -40 °C TO +70 °C
- RELATIVE HUMIDITY: ----- UP TO 95% AT +40 °C
- VIBRATION: ----- SHALL OPERATE AT FULL SPECIFICATION WITH VIBRATION IN ALL THREE PRINCIPAL AXES WITH
i) AMPLITUDE DISPLACEMENT OF ± 1 mm AT A RATE 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

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	1/8/2021	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



TITLES				
APPROVALS	DATE	PRODUCT FEATURE LM-99R5-316W-20W-PIN		
DRAWN <i>JPH</i>	1/8/21	SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
REDRAWN		SCALE N:S		REV. -
ISSUED			SHEET 1 OF 2	