

## DESCRIPTION

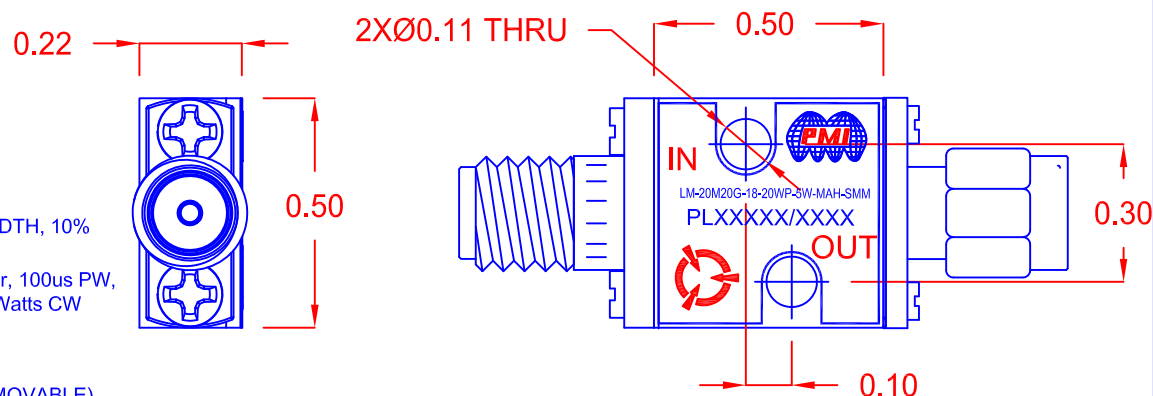
PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-20M20G-18-20WP-5W-MAH-SFM  
IS A PASSIVE 20W PEAK, 5W CW LIMITER THAT WORKS FROM 20 MHz TO 20 GHz.  
ULTRA SMALL PACKAGE WITH LOW LOSS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	4/8/22	

## MECHANICAL OUTLINE

## SPECIFICATIONS

- FREQUENCY RANGE: 20 MHz TO 20 GHz
- INSERTION LOSS: 2.5 dB MAX
- VSWR (IN/OUT): 2.0 : 1 MAX
- MAX PEAK POWER & CW POWER: 20W PULSED, 100 us PULSE WIDTH, 10% DUTY CYCLE, 5W CW
- LEAKAGE POWER: <18 dBm For 20Watts Peak Power, 100us PW, 10% Duty Cycle & <16dBm For 5Watts CW
- RECOVERY TIME: <25 ns
- CONNECTORS: SMA FEMALE/MALE (FIELD REMOVABLE)
- SIZE: 0.50 X 0.50 X 0.22
- FINISH: PAINTED BLUE



## ENVIRONMENTAL RATINGS

- TEMPERATURE: -40 °C TO +85 °C (OPERATING)  
-40 °C TO +150 °C (STORAGE)
- 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 CYCLE: MIL-STD-202, METHOD 107D COND. A

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**

## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE  PRODUCT FEATURE LM-20M20G-18-20WP-5W-MAH-SFM				
APPROVALS	DATE					
DRAWN <i>AF</i>	<i>4/8/22</i>					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO.		REV -
ISSUED		SCALE N:S			SHEET 1 OF 1	