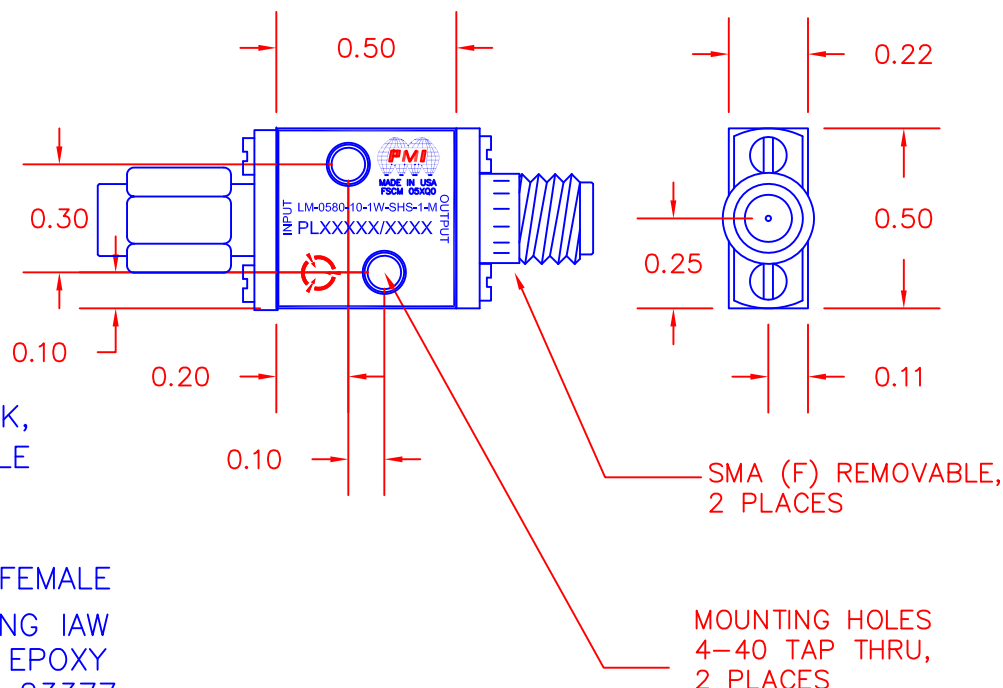


DESCRIPTION

PMI MODEL: LM-0580-10-1W-SHS-1-M IS A HIGH SPEED, HIGH POWER HARD DIODE-LIMITER. IT OPERATES OVER THE FREQUENCY RANGE OF 1.5 TO 8.0GHz, WITH A MALE SMA ON THE INPUT RF CONNECTOR.

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 8.0 GHz
- INSERTION LOSS
@-20dBm INPUT: 2.0dB MAX, 1.5dB TYP
- VSWR @-20dBm INPUT: 2.0:1 MAX, 1.5:1 TYP
- LEAKAGE @ 1 WATT
CW INPUT: +14dBm MAX, +10dBm TYP
- SPEED: 10ns
- INPUT POWER: 1 WATT CW, 100 WATTS PEAK,
1us PULSE, 0.1% DUTY CYCLE
DERATED TO 20% AT 125°C
- LIMITING THRESHOLD: +10dBm TYP
- CONNECTORS: SMA: RF IN=MALE, RF OUT=FEMALE
- FINISH: GRAY EPOXY POLIMIDE COATING IAW
MIL-C-22750, TYPE I OVER EPOXY
POLIMIDE PRIMER IAW MIL-P-23377,
TYPE I, CLASS 1 OR 3.
- SIZE: 0.5" X 0.5" X 0.22"



ENVIRONMENTAL RATINGS

- TEMPERATURE: -54°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010
WEIGHT: X.XX oz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	08/05/15	

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		PDW		08/05/15	
CHECKED					
ISSUED					
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		PRELIMINARY	
SCALE		N:S		SHEET	
				1 OF 1	