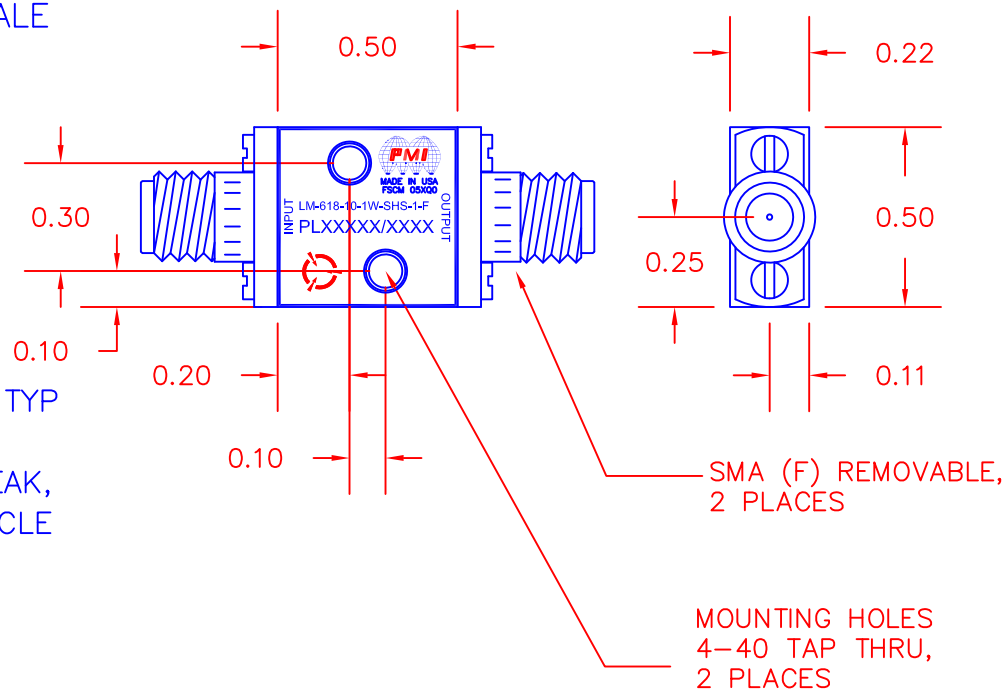


DESCRIPTION

PMI MODEL: LM-618-10-1W-SHS-1-f IS A HIGH SPEED, HIGH POWER HARD DIODE-LIMITER. IT OPERATES OVER THE FREQUENCY RANGE OF 6.0 TO 18.0 GHz, WITH A FEMALE SMA ON THE INPUT RF CONNECTOR.

SPECIFICATIONS

- FREQUENCY RANGE: 6.0 TO 18.0 GHz
- INSERTION LOSS
@-20dBm INPUT: 2.0 dB MAX, 1.5 dB TYP
- VSWR @-20dBm INPUT: 2.0:1 MAX, 1.5:1 TYP
- LEAKAGE @ 1 WATT
CW INPUT: +14 dBm MAX, +10 dBm TYP
- SPEED: 10 ns
- INPUT POWER: 1 WATT CW, 100 WATTS PEAK,
1us PULSE, 0.1% DUTY CYCLE
DERATED TO 20% AT 125°C
- LIMITING THRESHOLD: +10 dBm TYP
- CONNECTORS: SMA (F)
- FINISH: PAINTED BLUE
- 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	1/23/17	

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN	EMF	1/23/17		PRODUCT FEATURE LM-618-10-1W-SHS-1-F	
CHECKED				SIZE	FSCM NO.
ISSUED				A	05XQ0
				DWG NO.	PRELIMINARY
				SCALE	N:S
				SHEET	1 OF 1