

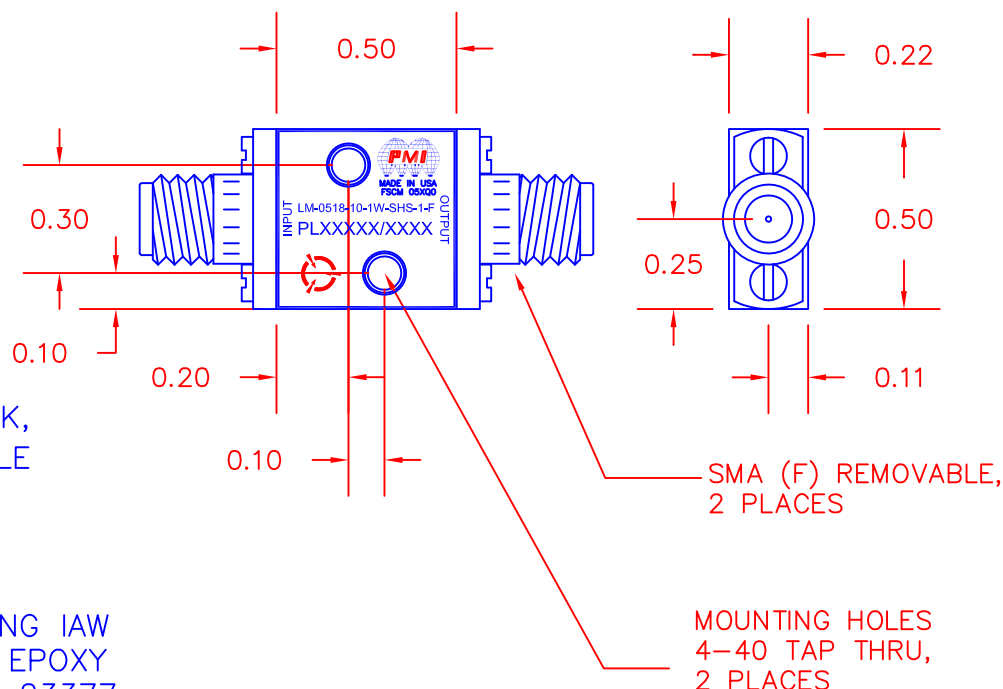
DESCRIPTION

PMI MODEL: LM-0518-10-1W-SHS-1-F IS A HIGH SPEED, HIGH POWER HARD DIODE-LIMITER. IT OPERATES OVER THE FREQUENCY RANGE OF 0.5 TO 18GHz

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	07/31/12	
	B1	UPDATED TITLE BLOCK	09/17/13	
	B2	ECN # 13-0157	09/17/13	

SPECIFICATIONS

- FREQUENCY RANGE: 0.5 TO 18 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 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"



PMI CONFIDENTIAL AND PROPRIETARY

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.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		07/31/12		PRODUCT FEATURE			
CHECKED				LM-0518-10-1W-SHS-1-F			
ISSUED				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	27010982	B2
				SCALE	N:S	SHEET	1 OF 1