

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-0518-10-1W-SHS-2-FM-OPT12 IS A HIGH POWER LIMITER THAT WORKS FROM 500 MHZ TO 18 GHZ THAT HANDLES 100 WATTS PEAK POWER WITH A PULSE WIDTH OF 1 μ s.

SPECIFICATIONS:

- FREQUENCY: 500 Mhz to 18 GHz
(OPTIMIZED FOR 1.0 TO 2.0 GHz)
- INSERTION LOSS
@-20 dBm 2.0 dB (MAX) 1.5 dB (TYP)
- INSERTION LOSS @-20 dBm
(1.0 to 2.0 GHz) 1.0 dB (MAX)
- VSWR (1.0 to 2.0 GHz) 1.4:1 (MAX)
- VSWR@-20 dBm 2.0:1 (MAX) 1.5:1 (TYP)
- LEAKAGE +10 dBm (MAX)
- PEAK POWER: 100 WATTS
- PULSE WIDTH: 1 μ s
- AVERAGE INPUT POWER: 12 WATTS (MAX)
- DUTY CYCLE: 0.1%
- CONNECTOR (INPUT) SMA FEMALE
- CONNECTOR (OUTPUT) SMA MALE
- SIZE: 1.00 X 1.00 X .400 (H)
- WEIGHT: 1.5 OZ. MAXIMUM
- FINISH: PAINTED BLUE

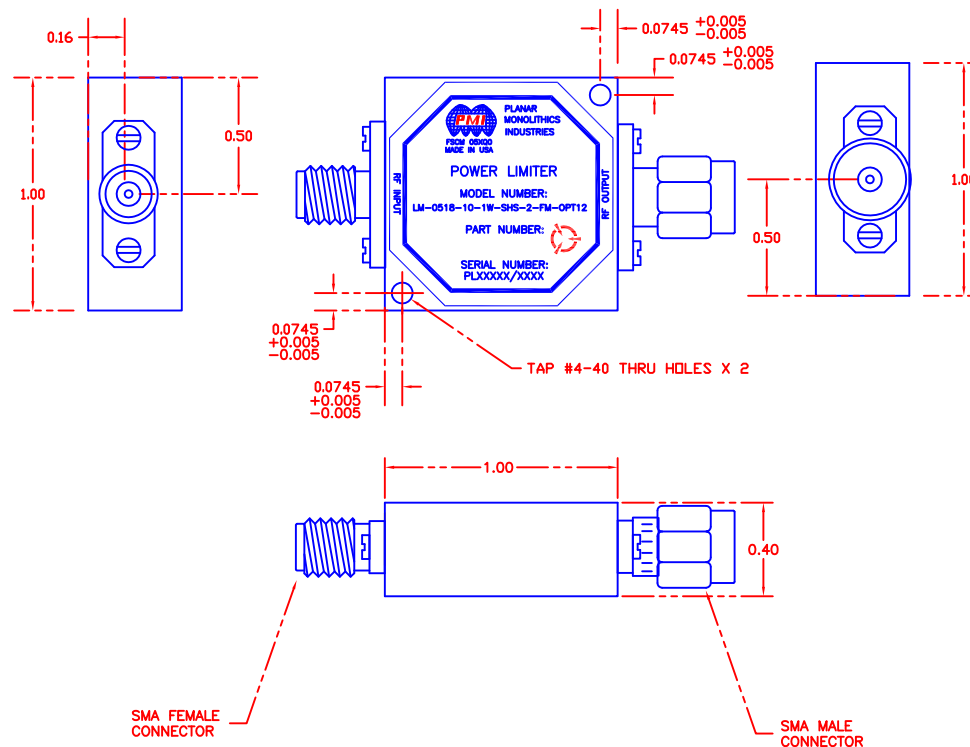
ENVIRONMENTAL RATINGS

- TEMPERATURE: -54°C TO +85°C (OPERATING)
-65°C TO +100°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204B COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	8/17/15	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN		8/17/15		PRODUCT FEATURE	
CHECKED				LM-0518-10-1W-SHS-2-FM-OPT12	
ISSUED				500MHZ TO 18GHZ HIGH POWER LIMITER	
				PRELIMINARY	
				SHEET 1 OF 3	

DESCRIPTION:

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FUNCTIONAL BLOCK DIAGRAM



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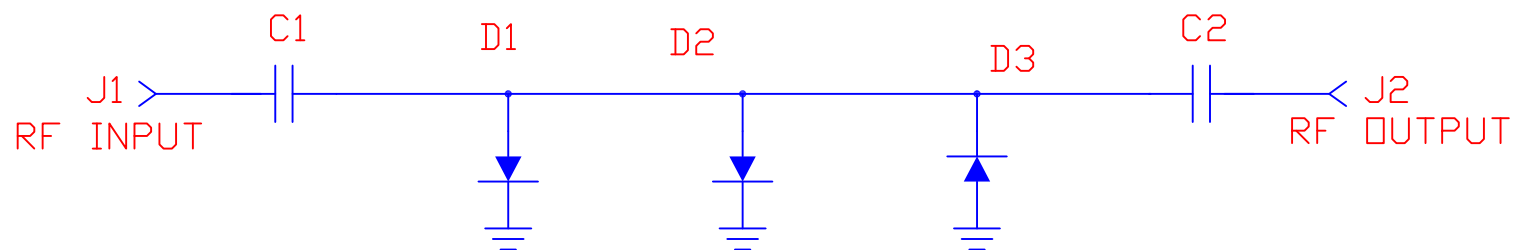


APPROVALS		DATE	TITLE			
DRAWN		8/17/15	FUNCTIONAL BLOCK DIAGRAM			
CHECKED			LM-0518-10-1W-SHS-2-FM-OPT12			
ISSUED			500MHZ TO 18GHZ HIGH POWER LIMITER			
			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	—
			SCALE N:S			SHEET 2 OF 3

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	—	PRELIMINARY	8/17/15	

FUNCTIONAL SCHEMATIC

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APPROVALS		DATE	TITLE			
DRAWN		8/17/15	FUCNTIONAL SCHEMATIC			
CHECKED			LM-0518-10-1W-SHS-2-FM-OPT12			
ISSUED			500 MHZ TO 18GHZ HIGH POWER LIMITER			
SIZE		A	FSCM NO.		DWG NO.	
			05XQ0		PRELIMINARY	
SCALE		N:S			SHEET	
					3 OF 3	