

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-0518-10-1W-SHS-2-FM 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 us.

SPECIFICATIONS:

- FREQUENCY:..... 500 Mhz to 18 GHZ
- INSERTION LOSS
@-20 dBm.....2.0 dB (MAX) 1.5 dB (TYP)
- 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 us
- 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

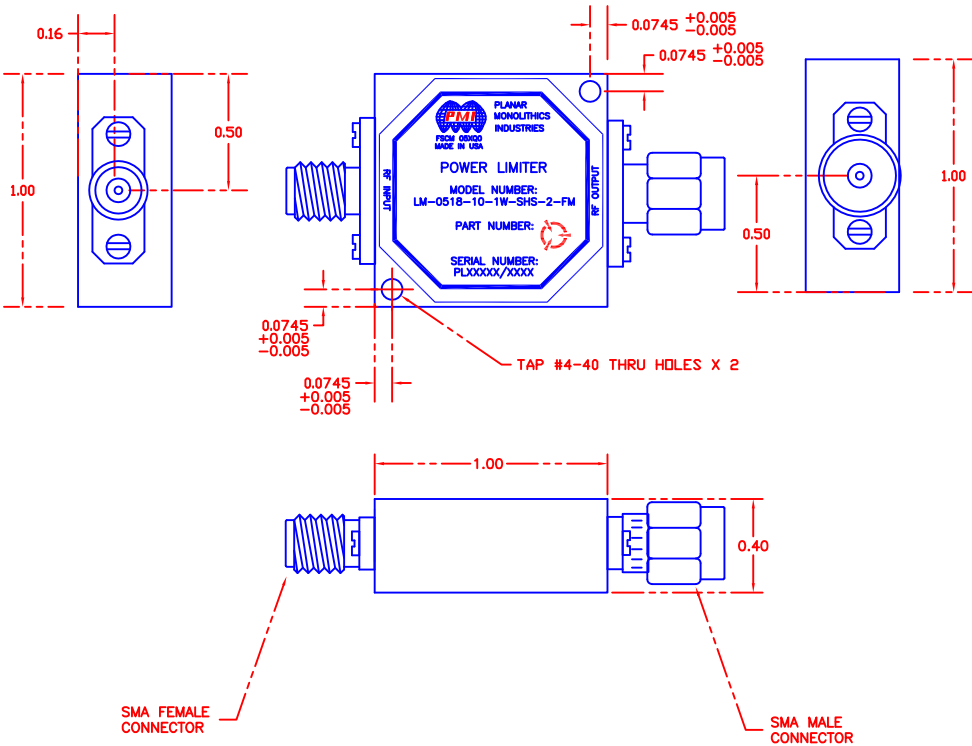
ENVIRONMENTAL RATINGS

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

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WORKS FROM 500 MHz TO 18 GHz THAT HANDLES 100 WATTS
PEAK POWER WITH A PULSE WIDTH OF 1 μ s.

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FUNCTIONAL BLOCK DIAGRAM



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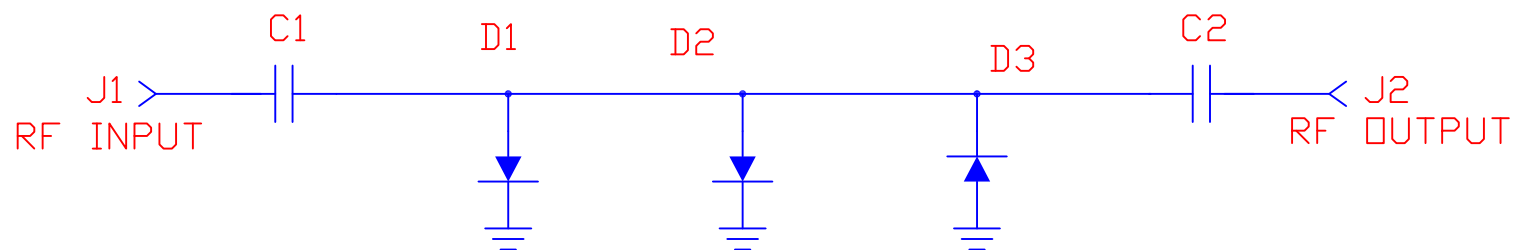
APPROVALS		DATE	TITLE			
DRAWN			FUNCTIONAL BLOCK DIAGRAM			
CHECKED			LM-0518-10-1W-SHS-2-FM			
ISSUED			500MHZ TO 18GHZ HIGH POWER LIMITER			
SIZE			FSCM NO.		DWG NO.	
A			05XQ0		PRELIMINARY	
SCALE			N:S		SHEET	
					2 OF 3	

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FUNCTIONAL SCHEMATIC



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