

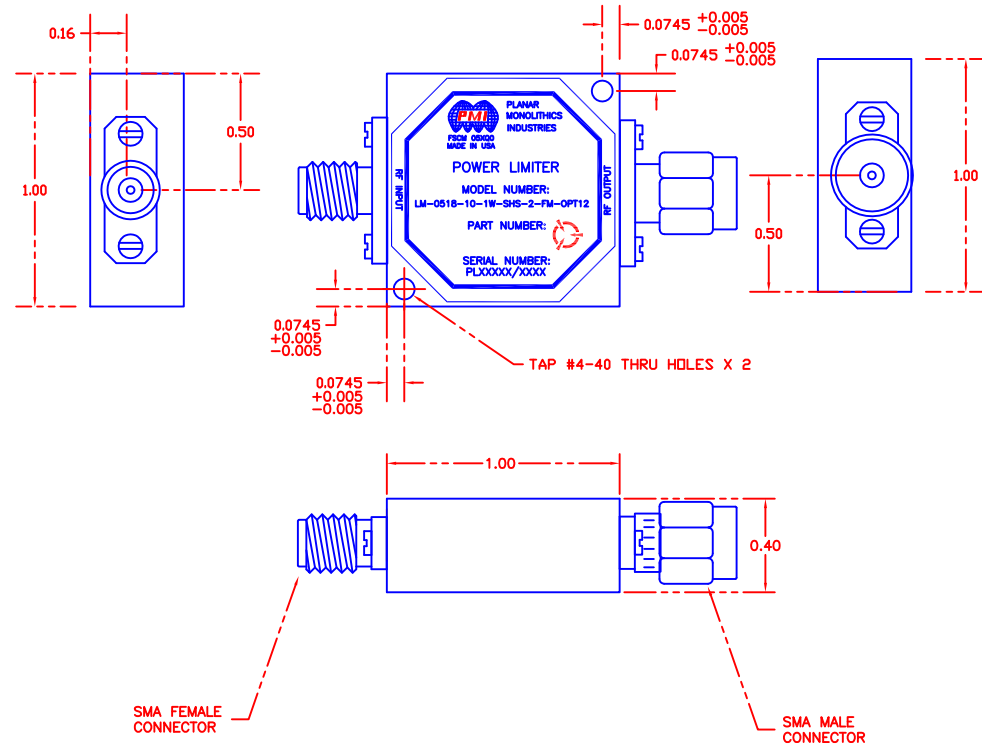
DESCRIPTION:

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 us.

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

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 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

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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 TEL: 301-662-5019 FAX: 301-662-1731
 WEBSITE: www.pmi-rf.com
 E-MAIL: sales@pmi-rf.com
 ISO 9001 CERTIFIED



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

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

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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.

REVISIONS				
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FUNCTIONAL BLOCK DIAGRAM



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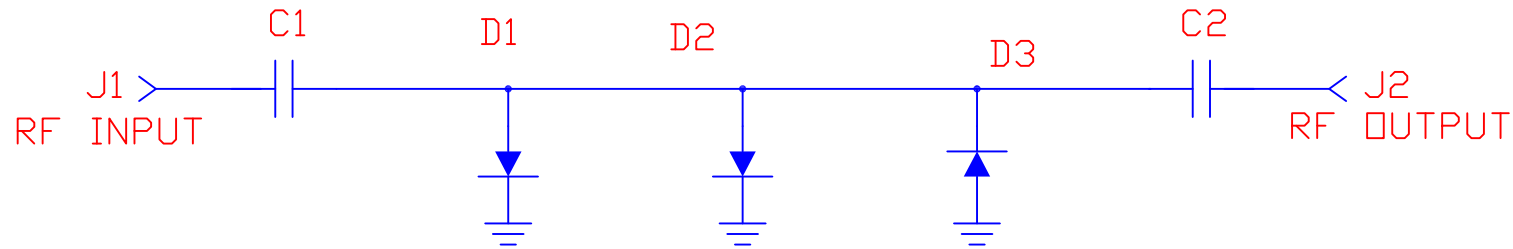
APPROVALS		DATE	TITLE		
DRAWN		8/17/15	FUNCTIONAL BLOCK DIAGRAM		
CHECKED			LM-0518-10-1W-SHS-2-FM-OPT12		
ISSUED			500MHZ TO 18GHZ HIGH POWER LIMITER		
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0		-	PRELIMINARY	
SCALE N:S			SHEET 2 OF 3		

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.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
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FUNCTIONAL SCHEMATIC



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