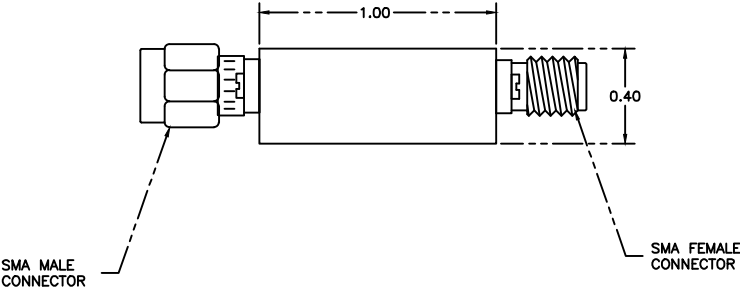
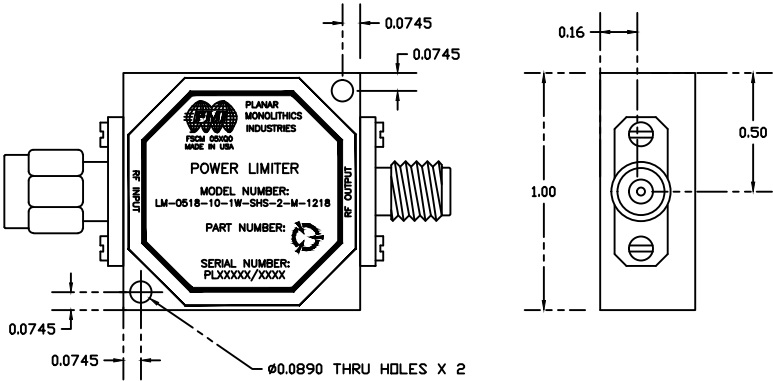
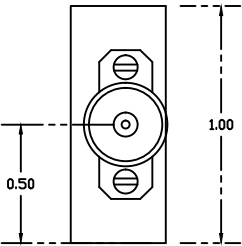


DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-0518-10-1W-SHS-2-M-1218 IS A HIGH POWER LIMITER THAT WORKS FROM 12 GHz TO 18 GHz THAT HANDLES 100 WATTS PEAK POWER WITH A PULSE WIDTH OF 1 us.

SPECIFICATIONS:

- FREQUENCY:..... 12 GHz to 18 GHz
- INSERTION LOSS
@-20 dBm.....2.0 dB (Max) 1.5 dB (Typ)
- VSWR@-20 dBm.....2.0:1 (MAX) 1.5:1 (Typ)
- LEAKAGE @ 1 WATT
CW IMMUNE.....+14 dBm (Max) +10 dBm (Typ)
- PEAK POWER:..... 100 WATTS
- PULSE WIDTH:..... 1 us
- DUTY CYCLE: 0.1%
- CONNECTOR (INPUT)..... SMA MALE
- CONNECTOR (OUTPUT)..... SMA FEMALE
- SIZE:..... 1.00 X 1.00 X .400 (H)
- WEIGHT:..... 1.5 OZ. MAXIMUM
- FINISH: PAINTED GRAY



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 ±0.010
X.XXX ±0.005

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	A	ORIGINAL RELEASE	03/19/18

APPROVALS		DATE	
DRAWN	ANS	03/19/18	
CHECKED			
ISSUED			

TITLE				PRODUCT FEATURE			
LM-0518-10-1W-SHS-2-M-1218							
SIZE	FSCM NO.		DWG NO.			REV.	
A	05XQ0		27018611			A	
SCALE N:S			SHEET			1 OF 3	

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001:2008 CERTIFIED



PMI CONFIDENTIAL AND PROPRIETARY

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER
LM-0518-10-1W-SHS-2-M-1218 IS A HIGH POWER LIMITER THAT
WORKS FROM 12 GHz TO 18 GHz THAT HANDLES 100 WATTS PEAK
POWER WITH A PULSE WIDTH OF 1 us.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	03/19/13	

FUNCTIONAL BLOCK DIAGRAM



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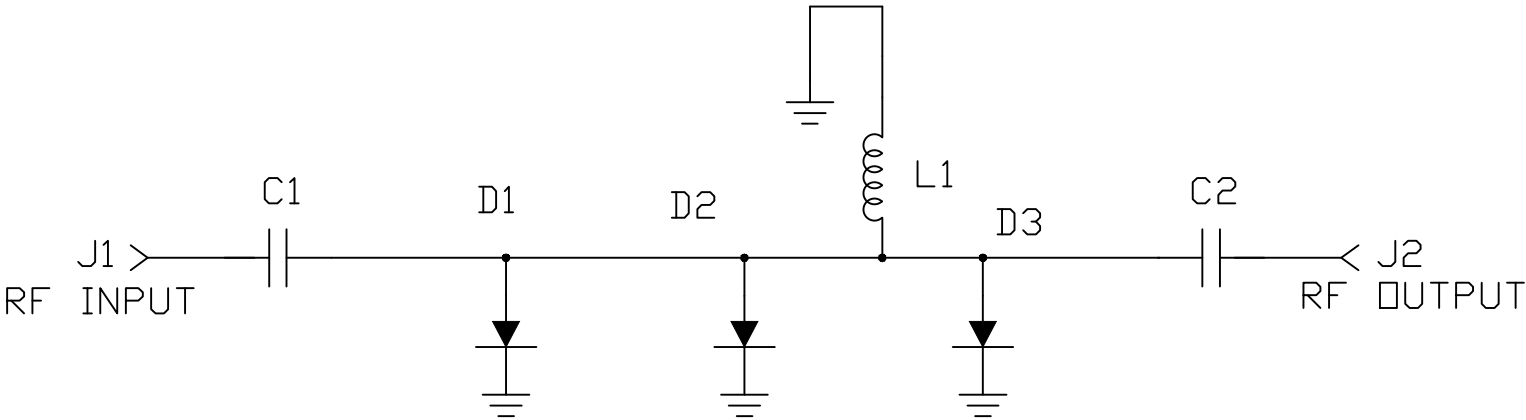
APPROVALS		DATE	TITLE			SIZE	FSCM NO.	DWG NO.	REV.
DRAWN	ANS	03/19/13	FUNCTIONAL BLOCK DIAGRAM			A	05XQ0	27018611	A
CHECKED			LM-0518-10-1W-SHS-2-M-1218						
ISSUED									
			SCALE N:S				SHEET 2 OF 3		

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-0518-10-1W-SHS-2-M-1218 IS A HIGH POWER LIMITER THAT WORKS FROM 12 GHz TO 18 GHz THAT HANDLES 100 WATTS PEAK POWER WITH A PULSE WIDTH OF 1 us.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	03/19/13	

FUNCTIONAL SCHEMATIC



PMI CONFIDENTIAL AND PROPRIETARY

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

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

APPROVALS		DATE	TITLE			REV.
DRAWN	ANS	03/19/13	FUCNTIONAL SCHEMATIC			
CHECKED			LM-0518-10-1W-SHS-2-M-1218			
ISSUED			SIZE	FSCM NO.	DWG NO.	
			A	05XQ0	27018611	A
SCALE		N:S	SHEET		3 OF 3	