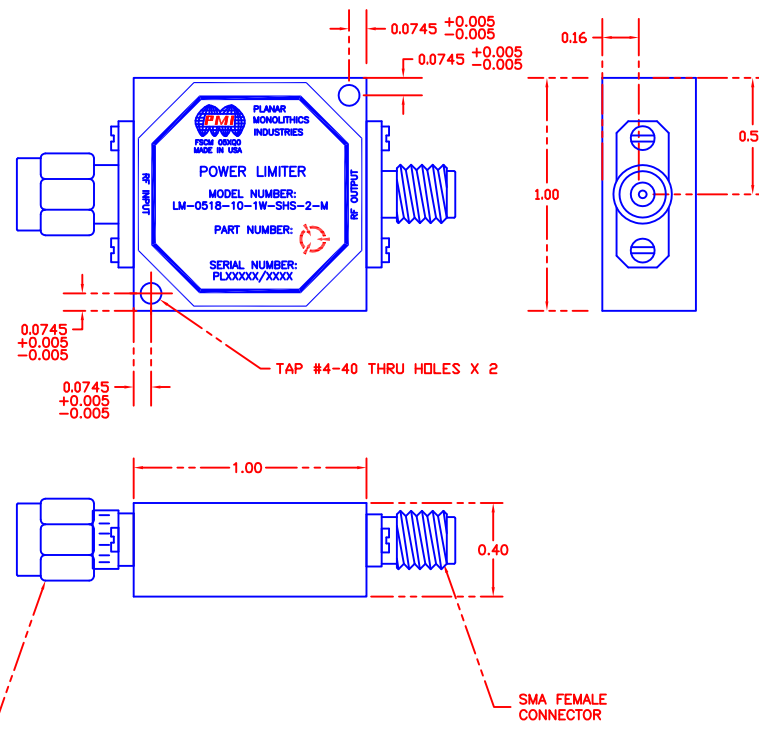
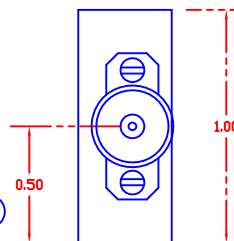


DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-0518-10-1W-SHS-2-M 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
- 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 μ s
- 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:..... GRAY EPOXY POLIMIDE COATING IAW MIL-C-22750,
TYPE I OVER EPOXY POLIMIDE PRIMER
IAW MIL-P-23377, TYPE I, CLASS 1 OR 3.



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 $\pm$ 0.020
X.XXX $\pm$ 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/28/09	
	B1	Updated Mechanical Layout	12/16/09	
	C1	UPDATED TITLE BLOCK	03/19/13	
	C2	ECN # 13-0050	05/27/13	
	D1	ECN # 14-0093	6/26/14	
	D2	ECN # 14-0186	11/19/14	

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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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 CERTIFIED



		TITLE				PRODUCT FEATURE		
APPROVALS		DATE		LM-0518-10-1W-SHS-2-M 500MHZ TO 18GHZ HIGH POWER LIMITER				
DRAWN		10/28/2010						
S	CHECKED				SIZE	FSCM NO.	DWG NO.	REV.
					A	05XQ0	27013801-C	D2
	ISSUED				SCALE N:S		SHEET 1 OF 3	

DESCRIPTION:

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/28/09	
	B1	Updated Mechanical Layout	12/16/09	
	C1	UPDATED TITLE BLOCK	03/19/13	
	C2	ECN # 13-0050	05/27/13	
	D1	ECN # 14-0093	6/24/14	

FUNCTIONAL BLOCK DIAGRAM



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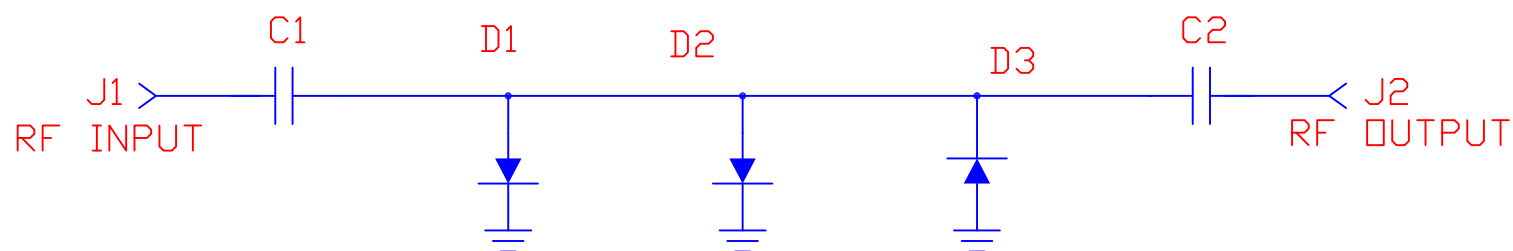
APPROVALS		DATE		TITLE			
DRAWN		07/19/05		FUNCTIONAL BLOCK DIAGRAM			
CHECKED				LM-0518-10-1W-SHS-2-M			
ISSUED				500MHZ TO 18GHZ HIGH POWER LIMITER			
SIZE	FSCM NO.	DWG NO.	REV.				
A	05XQ0	27013801-C	D1				
SCALE N:S			SHEET		2 OF 3		

DESCRIPTION:

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	9/28/09	
	B1	Updated Mechanical Layout	12/16/09	
	C1	UPDATED TITLE BLOCK	03/19/13	
	C2	ECN # 13-0050	05/27/13	
	D1	ECN # 14-0093	6/26/14	

FUNCTIONAL SCHEMATIC



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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APPROVALS		DATE		TITLE	
DRAWN		CHECKED		LM-0518-10-1W-SHS-2-M	
ISSUED		SCALE		500 MHZ TO 18GHZ HIGH POWER LIMITER	
SIZE		FSCM NO.		DWG NO.	
A		05XQ0		27013801-C	
SHEET		3 OF 3		REV.	
D1					