

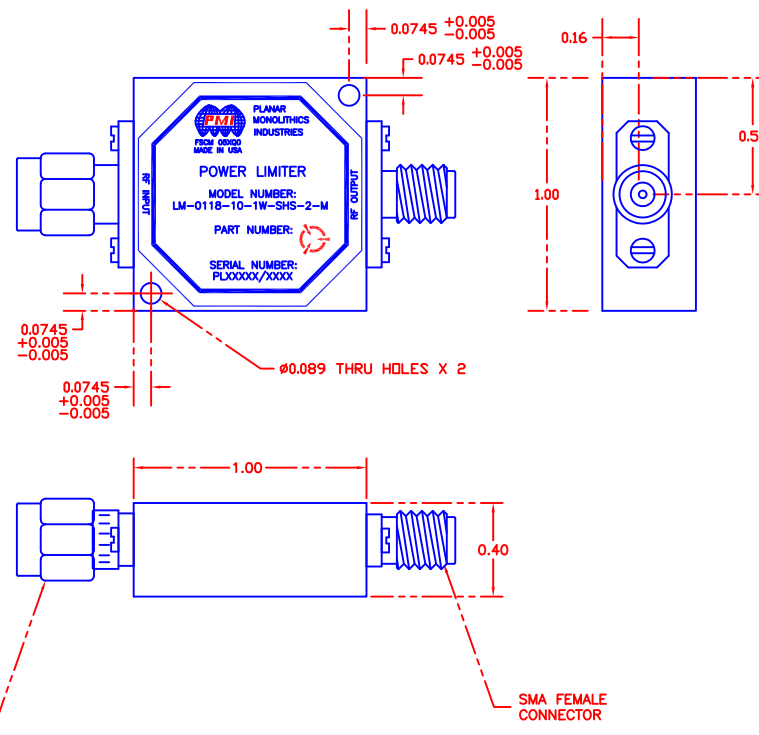
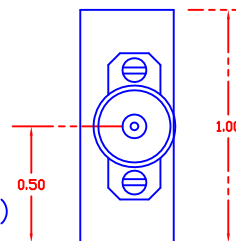
DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER
LM-0118-10-1W-SHS-2-M IS A HIGH POWER LIMITER THAT
WORKS FROM 100 MHz TO 18 GHz THAT HANDLES 100 WATTS
PEAK POWER WITH A PULSE WIDTH OF 1 μ s.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	7/30/14	

SPECIFICATIONS:

- | | | |
|--------------------------------------|---|---------------|
| • FREQUENCY:..... | 100 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 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: | BLUE EPOXY POLIMIDE COATING IAW MIL-C-22750,
TYPE I OVER EPOXY POLIMIDE PRIMER
IAW MIL-P-23377, TYPE I, CLASS 1 OR 3. | |
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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

		TITLE				PRODUCT FEATURE	
APPROVALS		DATE		LM-0118-10-1W-SHS-2-M 100MHZ TO 18GHZ HIGH POWER LIMITER			
DRAWN <i>DPD</i>		<i>7/30/14</i>					
S	CHECKED	SIZE		FSCM NO.	DWG NO.	REV	
		A		05XQ0	PRELIMINARY	1	
	ISSUED	SCALE		N:S		SHEET 1 OF 3	

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FUNCTIONAL BLOCK DIAGRAM



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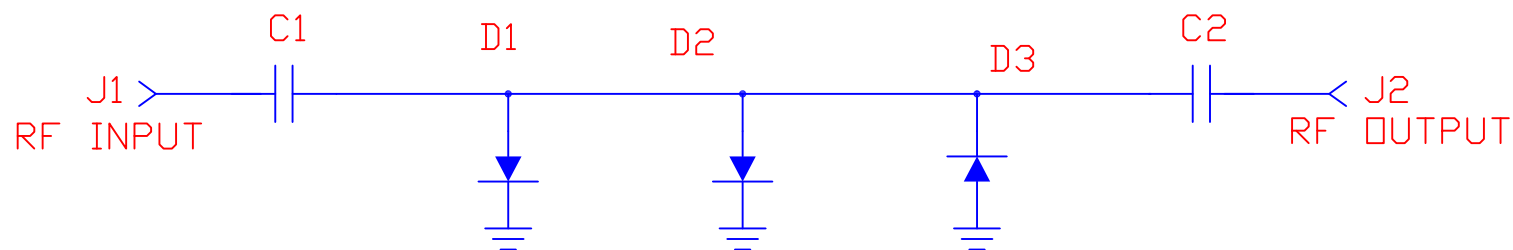
APPROVALS		DATE		TITLE			
DRAWN		7/30/14		FUNCTIONAL BLOCK DIAGRAM			
CHECKED				LM-0118-10-1W-SHS-2-M			
ISSUED				100MHZ TO 18GHZ HIGH POWER LIMITER			
				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	1
				SCALE N:S			SHEET 2 OF 3

DESCRIPTION:

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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
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FUNCTIONAL SCHEMATIC



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APPROVALS		DATE		TITLE			
DRAWN		7/30/14		FUCNTIONAL SCHEMATIC			
CHECKED				LM-0118-10-1W-SHS-2-M			
ISSUED				100 MHZ TO 18GHZ HIGH POWER LIMITER			
				SIZE A		FSCM NO. 05XQ0	
						DWG NO. PRELIMINARY	
						REV. 1	
				SCALE N:S		SHEET 3 OF 3	