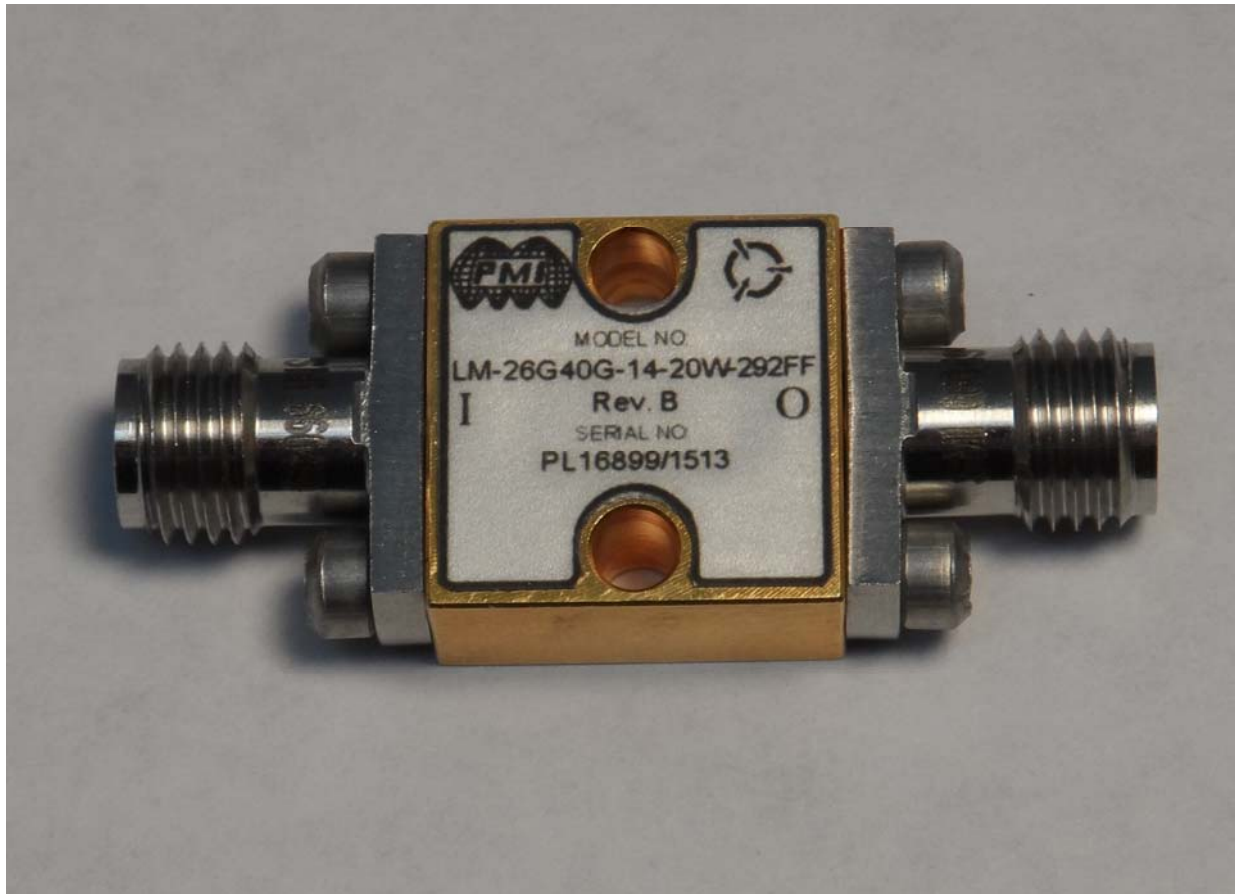




**Typical Characteristics
On**

LM-26G40G-14-20W-292FF

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-26G40G-14-20W-292FF IS A HIGH POWER LIMITER THAT OPERATES FROM 26.5 GHz TO 40 GHz AND HANDLES 20 WATTS PEAK POWER. THE LEAKAGE POWER IS +14dBm TYPICAL.



**Designed By:
Dr. Ashok Gorwara
Sebastian Palacio**

**Tested & Reported By:
Sebastian Palacio**

March 26, 2015



Typical Characteristics On LM-26G40G-14-20W-292FF

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER LM-26G40G-14-20W-292FF IS A HIGH POWER LIMITER THAT OPERATES FROM 26.5 GHz TO 40 GHz AND HANDLES 20 WATTS PEAK POWER. THE LEAKAGE POWER IS +14dBm TYPICAL.

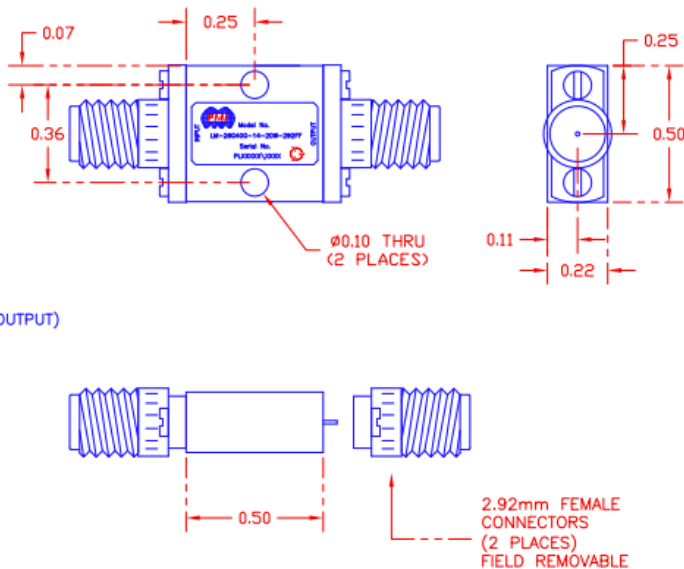
SPECIFICATIONS:

- FREQUENCY: 26.5 GHz TO 40 GHz
- INSERTION LOSS: 4.0dB MAX.
- PEAK POWER: 20 WATTS (43dBm)
- PULSE WIDTH: 440 to 670 nsec
- PRF 600 to 900 KHz
- DUTY CYCLE 40%
- LEAKAGE POWER: +14 dBm TYPICAL
- 1dB RECOVERY TIME 250 nsec MAX
- VSWR 2.0:1
- CONNECTORS 2.92mm FEMALE REMOVABLE (INPUT AND OUTPUT)
- SIZE: 0.50 X 0.50 X .22
- WEIGHT: 1.5 OZ. TYPICAL

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +60°C (OPERATING)
..... -50°C TO +70°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



CONFIDENTIAL AND PROPRIETARY

PART NO.		PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND	
APPROVALS	DATE	TITLE	
DRAWN <i>KM</i>	4/29/10	PRODUCT FEATURE LM-26G40G-14-20W-292FF HIGH POWER LIMITER	
CHECKED		SIZE	DWG NO.
ISSUED		A	27015041
		SCALE	SHEET
		N:S	1 of 1

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



**Typical Characteristics
On
LM-26G40G-14-20W-292FF**

TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	FREQUENCY RANGE:	26.5 GHz – 40 GHz	26.5 GHz – 40 GHz See Plot	
2	INSERTION LOSS:	4.0dB MAX.	2.96dB See plot	
3	PEAK POWER:	20 Watts @ 440-670 ns pulse width, PRF 600 to 900 kHz, and 40% Duty Cycle	PASS	
4	LEAKAGE POWER	+14dBm TYPICAL	Pass See Graph	
5	RECOVERY TIME to 1dB:	250ns MAX	<100ns See Plot	
6	VSWR	2.0:1	1.92:1 See Plot	

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD FREDERICK, MD 21704
TEL: 301-682-5019 FAX: 3016621731 email: sales@pmi-rf.com



**Typical Characteristics
On
LM-26G40G-14-20W-292FF**

**Insertion Loss
& IN/OUT Return Loss**



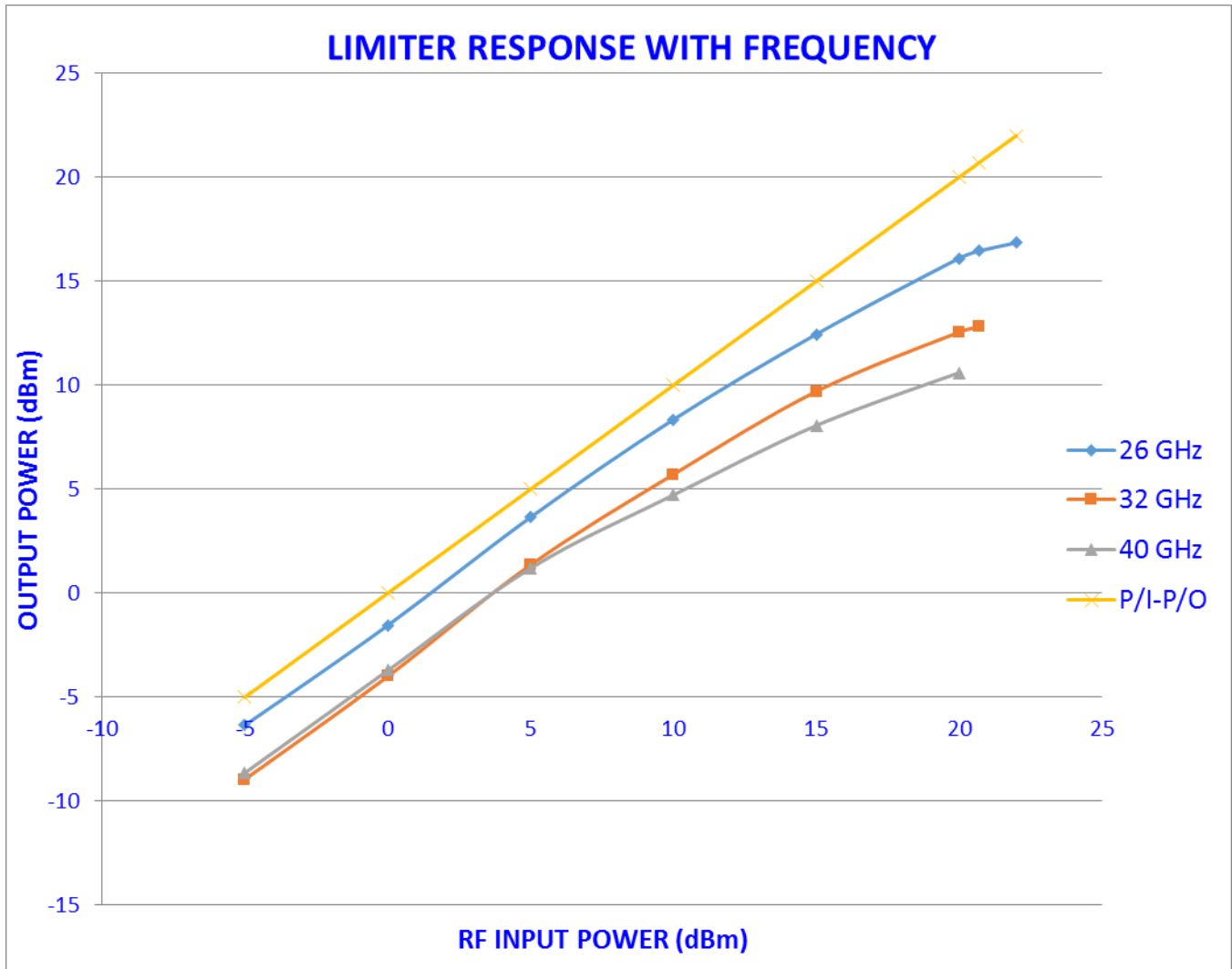
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**Typical Characteristics
On
LM-26G40G-14-20W-292FF**



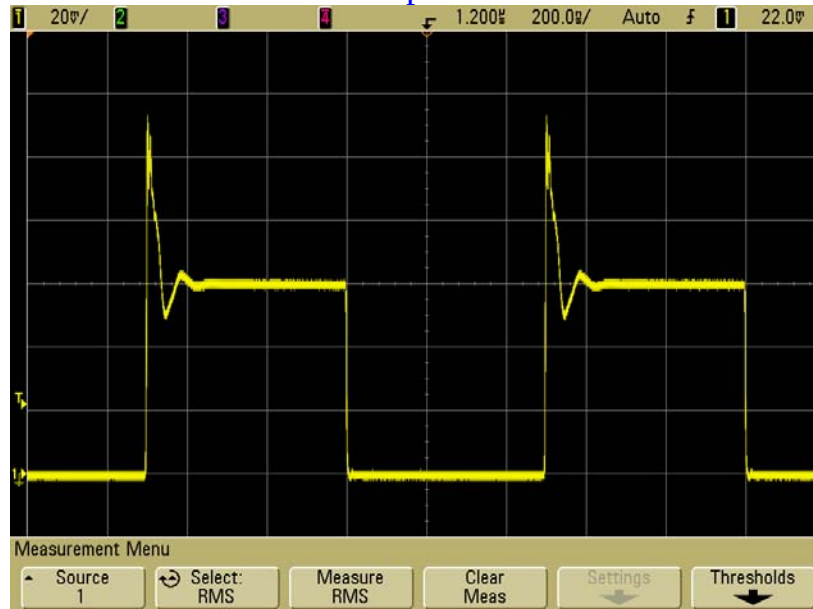
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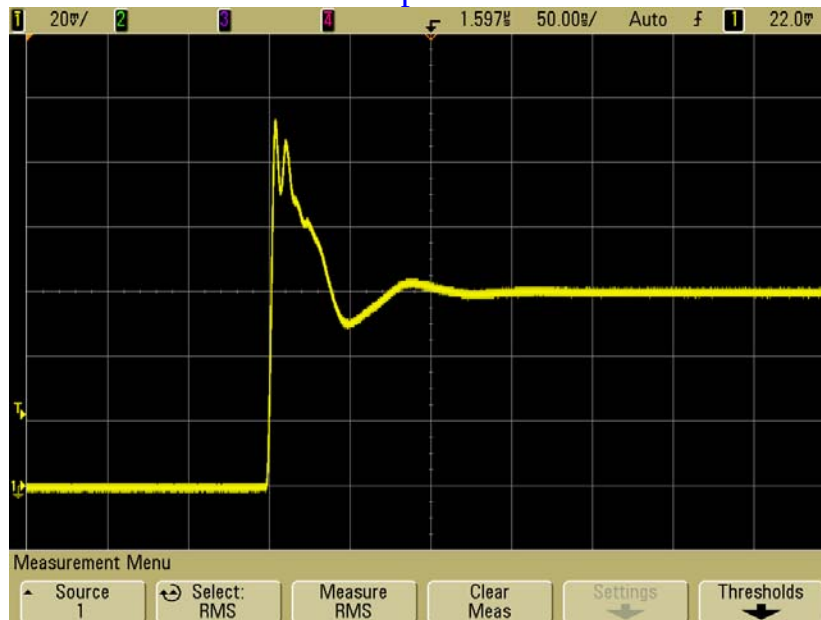
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Typical Characteristics
On
LM-26G40G-14-20W-292FF
Recovery Time
200ns per Div.



50ns per Div.



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