



**TYPICAL CHARACTERISTICS
ON
PTB-60-2040-5R0-10-115VAC-292FF**

PMI MODEL PTB-60-2040-5R0-10-115VAC-292FF IS A PORTABLE AMPLIFIER THAT OPERATES OVERTO 20.0 TO 40.0 GHz FREQUENCY RANGE. THIS AMPLIFIER PROVIDES 60 dB TYPICAL GAIN WITH AN OP1dB of +10 dBm MINIMUM. THIS AMPLIFIER FEATURES AN ON/OFF SWITCH THAT IS LOCATED ON THE FRONT PANEL.



January 27 2015
Designed by: Kevin Mason
Tested & reported by: Harold Holvick



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DESCRIPTION

PMI MODEL PTB-60-2040-5R0-10-115VAC-292FF IS A PORTABLE AMPLIFIER THAT OPERATES OVER THE 20.0 TO 40.0 GHz FREQUENCY RANGE. THIS MODEL PROVIDES 60dB OF TYPICAL GAIN WITH AN OP1dB OF +10dBm MINIMUM. THIS AMPLIFIER FEATURES AN ON/OFF SWITCH THAT IS LOCATED ON THE FRONT PANEL.

SPECIFICATIONS

- FREQUENCY RANGE: 20.0 TO 40.0 GHz
 - GAIN: +60dB TYP
 - GAIN FLATNESS: ±3.0dB MAX
 - (*) NOISE FIGURE: 5.0dB TYP
 - OP1dB: +10dBm MIN
 - VSWR (IN/OUT): 2.0:1 MAX
 - CONNECTORS (IN/OUT): SMA FEMALE
 - AC VOLTAGE SUPPLY: 115VAC, 60HZ
 - *SUPPLIED WITH FUSE AND 6 FOOT POWER CORD
 - SIZE: (L) 4.92" X (W) 4.92" X (H) 2.26"
 - FINISH: BLUE POWDER COATED
- *NOTE: ONLY MEASURED TO 26.5GHz

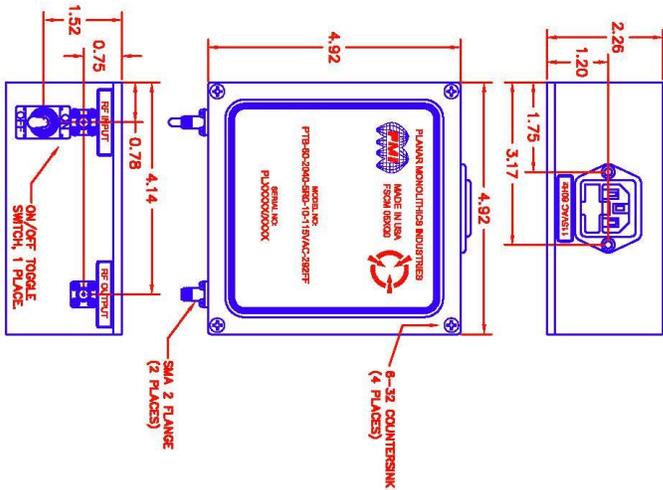
ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO +85°C (OPERATING)
-40°C TO +100°C (NON-OPERATING)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

NOTES:
1) DIMENSIONS ARE IN INCHES
2) TOLERANCES: XXX .0020
XXX .0010

REV		DESCRIPTION	DATE	APPROVED
A1		ORIGINAL RELEASE	08/14/18	



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED

APPROVALS	DATE	TITLE	SIZE	FORM NO.	FORM NO.	REV.
<i>[Signature]</i>	08/14/18	PRODUCT FEATURE	A	05X00	27006924	A1
DESIGN			SCALE	N/S	SHEET	1 OF 1



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TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	QA/QC
1	Frequency Range:	20.0 TO 40.0GHz	20.0 to 40.0 GHz (See Plot)	
2	Gain:	+60dB Typ	56.7 dB (See Plot)	
3	Gain Flatness	±3.0dB Max	±2.89 dB (See Plot)	
4	(*)Noise Figure:	5.0dB Typ	7.80 dB	
5	OP1dB:	+10dBm Min	+10.3 dBm (See Plot)	
6	VSWR In/Out:	2.0:1 Max 2.0:1 Max	1.93:1 1.98:1 (See Plot)	
7	AC Voltage Supply:	115VAC, 60Hz	Pass	

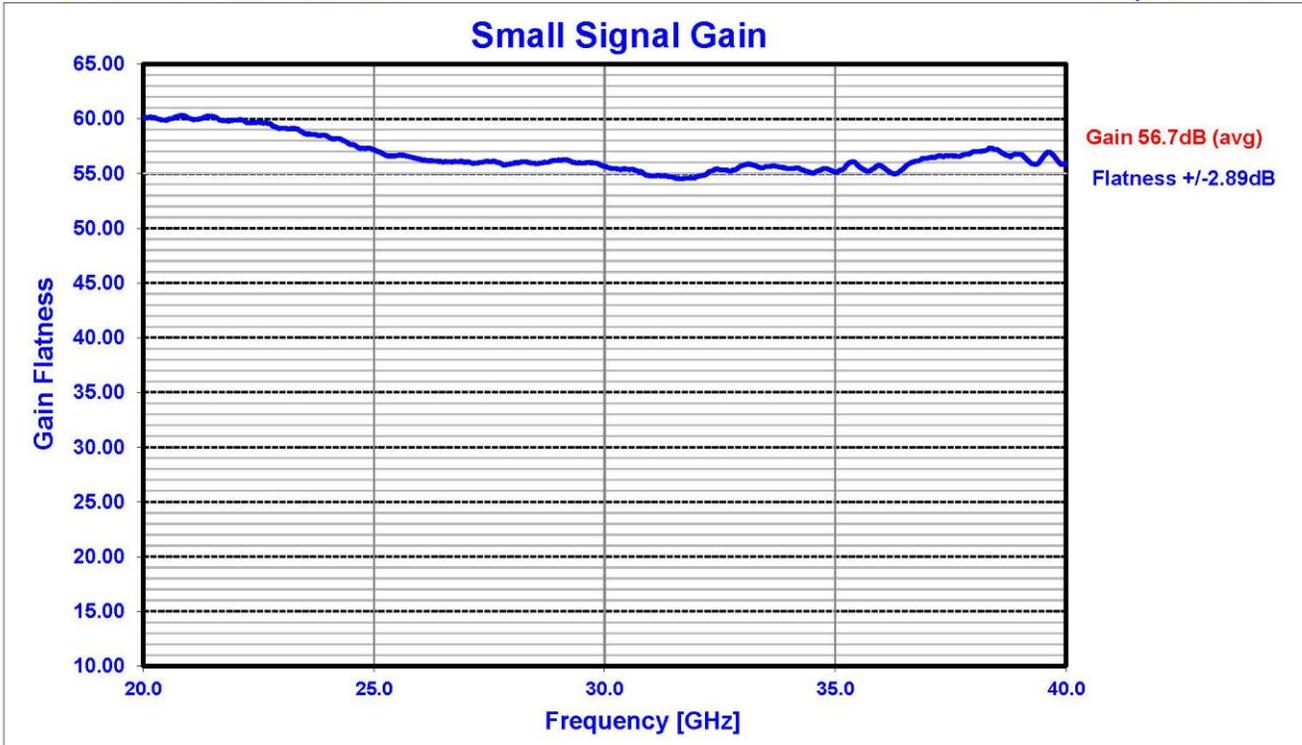
*Note: Only measured to 26.5GHz



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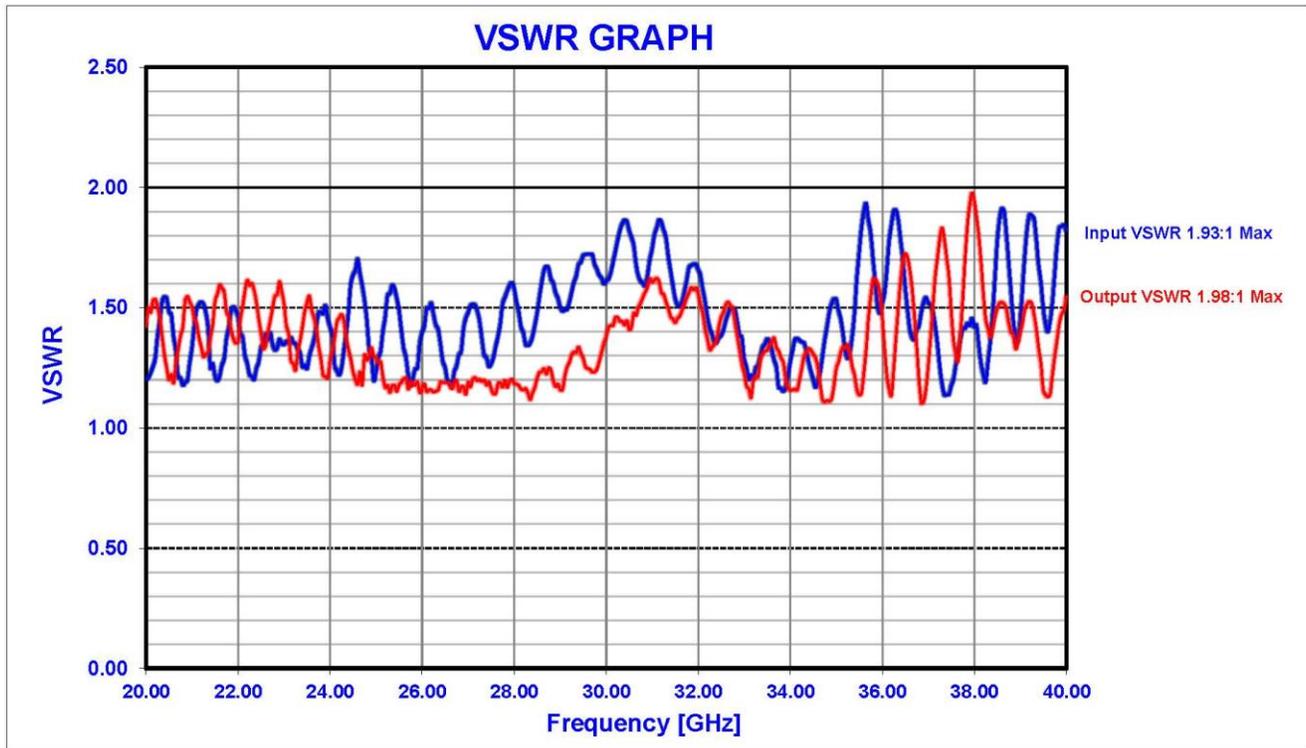
Model Number: PE2-30-2040-5R0-10-15-292FF
Serial Number: V000977012620150310

Temperature: +25C



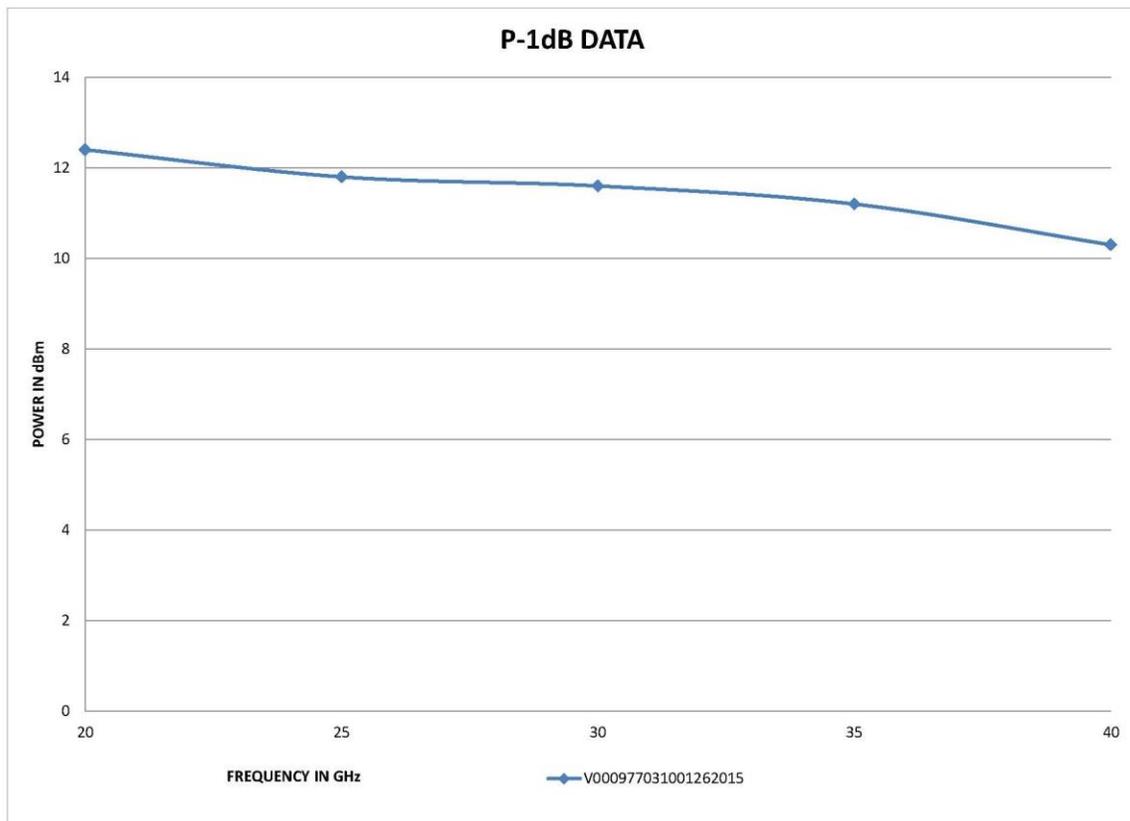


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NOISE FIGURE IN dB

