

MODEL NUMBER:

**PA40G.1**

**COMPACT BENCHTOP AMPLIFIER,  
26.5 TO 40 GHz, 35 DB GAIN, +27 DBM**



## DESCRIPTION:

The PA40G.1 is a compact benchtop preamplifier covering a bandwidth between 26.5 to 40 GHz and provides a 35 dB Gain. This amplifier is ideal for electromagnetic compatibility (EMC) testing and certification.

## FEATURES

- High Output Power
- Full Waveguide Band Coverage
- High Gain

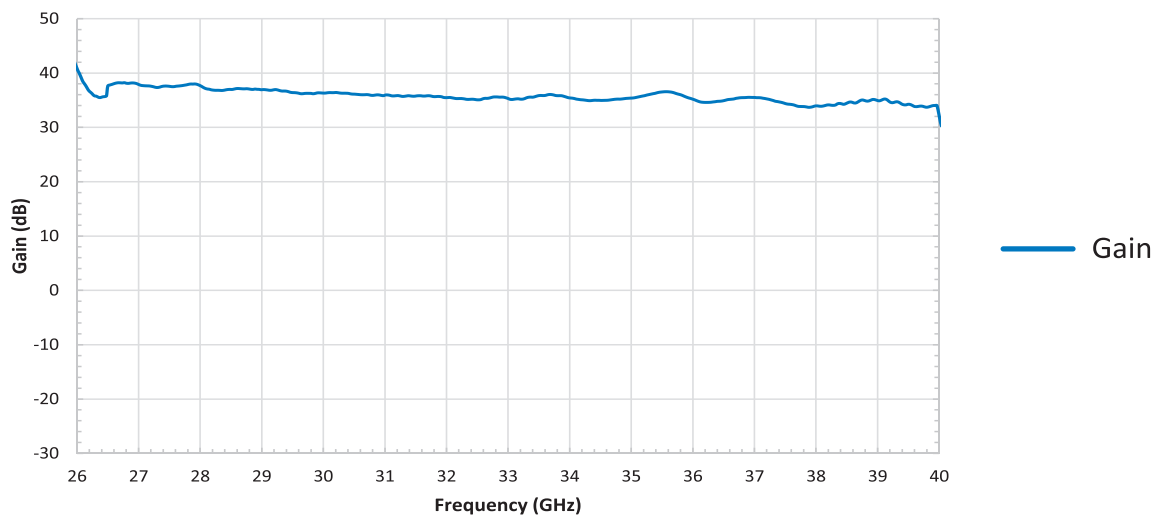
## ELECTRICAL SPECIFICATIONS:

Parameter	Minimum	Typical	Maximum
Frequency	26.5 GHz		40 GHz
Gain		35 dB	
P <sub>1dB</sub>		+26 dBm	
P <sub>sat</sub>		+27 dBm	
P <sub>in</sub>			+15 dBm
Port Return Loss		10 dB	
Power Supply (AC Adapter Provided)	100 V <sub>AC</sub>		240 V <sub>AC</sub>
Specification Temperature		+25 °C	
Operating Temperature	0 °C		+50 °C

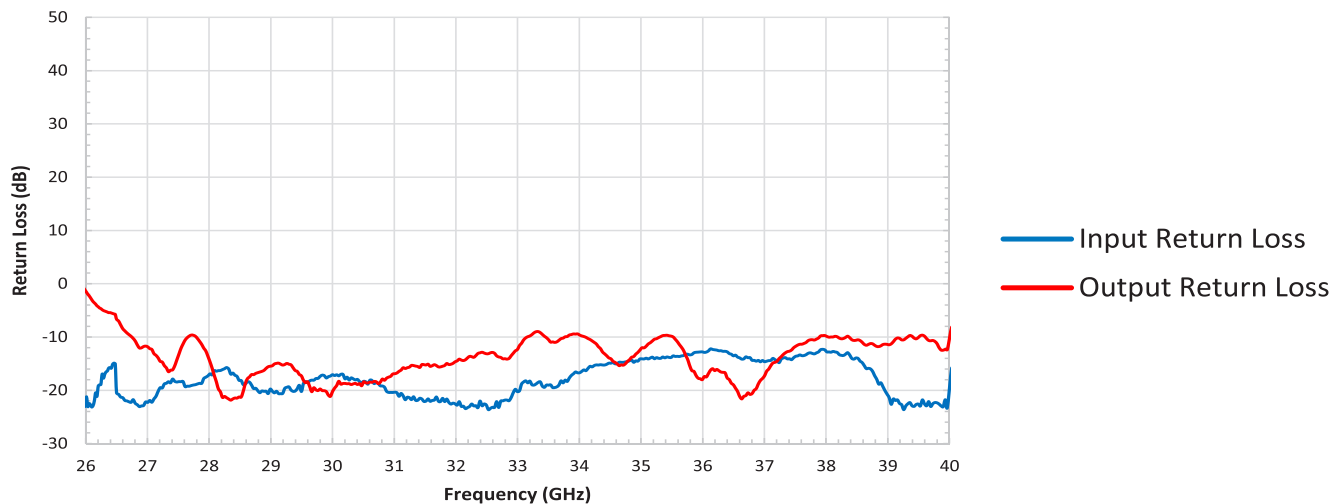
## MECHANICAL SPECIFICATIONS:

Item	Specification
RF Ports	WR-28 Waveguide with UG-599/U Flange
DC Bias	2.5 mm DC Jack (AC-to-DC power converter included)
Enclosure Material	Extruded Aluminum
Finish	Various
Weight	1.5 lbs
Size	2.36" (W) x 2.42" (L) x 3.92" (H)
Outline	TB-SA-C

## TYPICAL GAIN



## RETURN LOSS VS. FREQUENCY



## TYPICAL OUTPUT

