



ADVANCED
RESEARCH INSTRUMENTS
CORPORATION

PMT-5V3 CURRENT TO VOLTAGE AMPLIFIER

SPECIFICATIONS

Input Impedance	1k Ω
Input Signal Range (Switch selectable)	10pA to 1 μ A per 1V output
Output Polarity	Switch selectable
Output Range	\pm 10V
Output Impedance	100 Ω
Power Requirements	\pm 15V, 50mA
Physical Size	2.5" x 5" x 1.1"
Output Connector	BNC and 9pin sub miniature D

9 Pin Sub Miniature D Connector Pin Out

<u>Pin</u>	<u>Description</u>
1	<Not Used>
2	<Not Used>
3	+12 to +15VDC
4	<Not Used>
5	<Not Used>
6	Signal GND
7	Power GND
8	-12 to -15VDC
9	Output

FEATURES

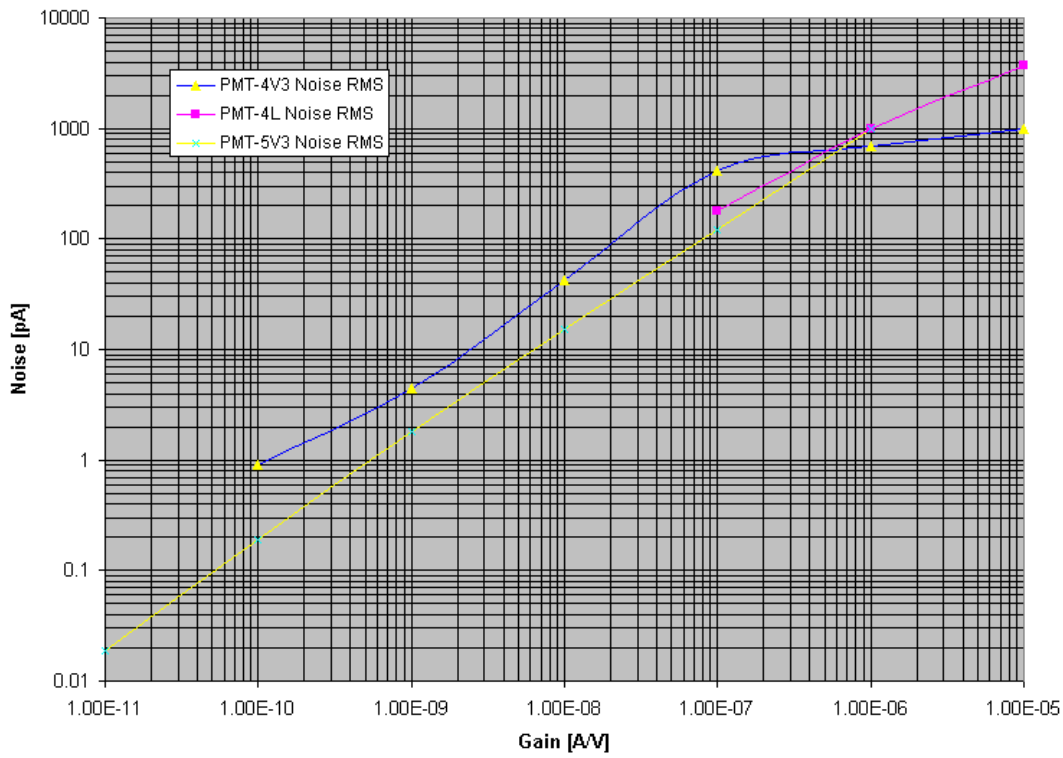
- Low Noise
- Wide Sensitivity Range
- Small Size
- Easy to Use
- Stabilized Power Conditioning
- Low Cost

APPLICATIONS

- Spectroscopy
- PMT or Photo Diode Preamplifier
- Low Light Level Detection
- Detection of Currents in the Pico Ampere Range

Bandwidth and noise comparison with similar amplifiers is on the reverse side of this data sheet.

PMT-4L, PMT-4V3, PMT5 - V3 Noise related to Input.



PMT-4L, PMT-4V3, PMT-5, PMT-5V3 Bandwidth

