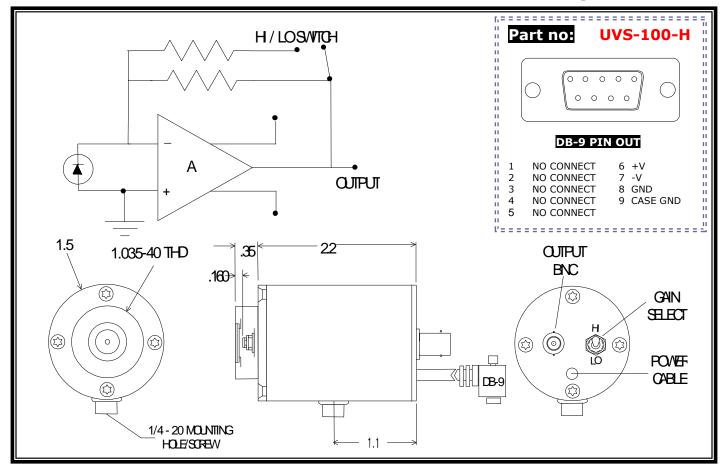


H-Series Photodiode / Receiver



This unit is a high performance photodiode/receiver operated with at ambient temperature with a dual gain FET input transimpedence amplifier. The output voltage is proportional to the input signal current: The PD/AMP is a DC $V_{out} = I_{signal} R_f$ coupled dual gain system. Care should be taken in shielding the unit from stray light prevent during operation saturation of amplifier (and potential

SPECIFICATIONS	
Detector Type	10mm x 10mm UV-Enhanced Silicon Photodiode
Operating Temperature- °C	22
Operating Wavelength- μm	0.2 - 1.0
Responsivity- V/W @ pk	$0.5 \times 10^8 / 10^7$
Noise- V/Hz ^{1/2}	1 x 10 ⁻⁶ / 1x10 ⁻⁵
NEP- W/Hz ^{1/2} @ pk	1.5 x 10 ⁻¹⁴
Bandwidth (-3dB)- Hz	DC – 2kHz nom
Power Requirements	+/- 9 VDC to +/- 15 VDC
Connections	BNC signal output. Shielded power cable terminated with a DB-9 connector directly couples the unit with the PS -1 Low Noise Power Supply.