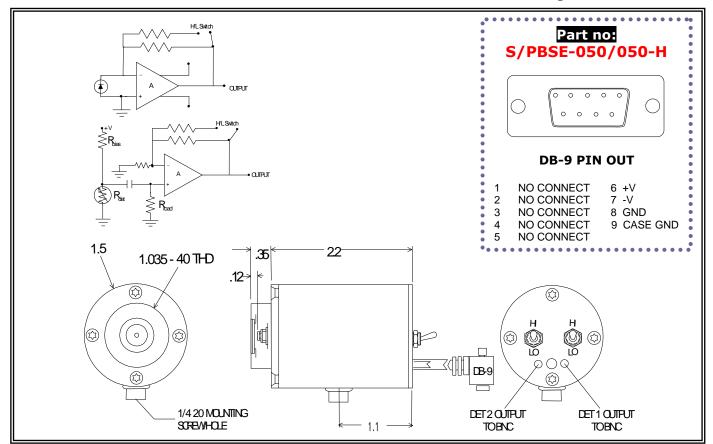




2 - COLOR PHOTODETECTOR / RECEIVER



SPECIFICATIONS		
Detector Type	5 mm dia Si Photodiode / 5 x 5 mm PbSe Photoconductor	
Operating Temperature - °C	22	
Operating Wavelength - μm	0.3 - 1.0	1.0 - 4.5
Responsivity - V/W @	0.6 x 10 ⁸ / 0.6 x 10 ⁷	$2 \times 10^4 / 10^3$
Noise - V/Hz ^{1/2} @	1.2 x 10 ⁻⁶ / 1.2 x 10 ⁻⁷	10 x 10 ⁻⁶ / 10 ⁻⁷
NEP - W/Hz ^{1/2} @	2 x 10 ⁻¹⁴	5 x 10 ⁻¹⁰
Bandwidth (-3dB) - Hz	DC – 2k	5 – 10k
Power Requirements	+/- 9 VDC to +/- 15 VDC	
Connections	Two shielded signal cables terminated with a BNC. Shielded power cable terminated with a DB-9 connector directly couples the unit with the PS-1 Low Noise Power Supply.	