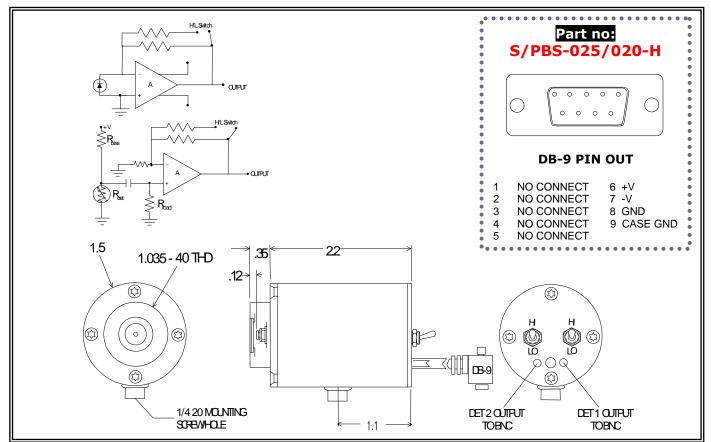


## **Receiver Modules**

2 - COLOR PHOTODETECTOR / RECEIVER



SPECIFICATIONS		
Detector Type	2.5 mm dia Si Photodiode / 2 x 2 mm PbS Photoconductor	
Operating Temperature - °C	22	
Operating Wavelength - $\mu m$	0.3 - 1.0	1.0 - 2.6
Responsivity - V/W @	0.6 x 10 <sup>8</sup> / 0.6 x 10 <sup>7</sup>	5 x 10 <sup>6</sup> / 10 <sup>5</sup>
Noise - V/Hz <sup>1/2</sup> @	1.2 x 10 <sup>-6</sup> / 1.2 x 10 <sup>-7</sup>	15 x 10 <sup>-6</sup> / 10 <sup>-7</sup>
NEP - W/Hz <sup>1/2</sup> @	2 x 10 <sup>-14</sup>	3 x 10 <sup>-12</sup>
Bandwidth (-3dB) - Hz	DC – 2k	5 – 500
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.	