

HealthyPhoton

Model : HPPD-I/HPPD-S
Low-noise Preamplified
Photodetector (0.4-2.1 μm)



Date	Note
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Index

Index.....	2
1. Introduction.....	3
2. Parameters.....	3

1. Introduction

- Compatible with Si (Silicon), InGaAs (Indium Gallium Arsenide) semiconductor photodiodes
- Wavelength covering 0.4um to 2.1um (near-IR)
- Preamplifiers with low noise and wide bandwidth
- ± 12 VDC power input; 0 to 10V signal output
- Compatible with Thorlabs® Standard SM1 (1.035"-40) Threads

2. Parameters

Electrical characteristics	
Compatible Photodiode	Si (Silicon), InGaAs (Indium Gallium Arsenide)
Effective photosensitive area	7 mm ² (Ø 3.0 mm); 3.14 mm ² (Ø 2.0 mm)
Detection wavelength	0.4 ~ 2.1 um
Signal bandwidth	DC ~ 5MHz
Output voltage	± 10 V (Hi-Z load); ± 5 V (50 Ω load)
Transimpedance gain	15000V/A (Hi-Z load); 7500V/A (50 Ω load)
General parameters	
Signal output port	SMA female
Dimension	54*51*23 mm ³
Weight	57g
Operation temperature	10°C to 50°C
Storage temperature	-25°C to 70°C
Power supply	± 12 VDC