



The D121 is an amplified Si photoreceiver for the detection of light in the spectral range 300–1000nm. Three mounting holes allowing pure rotation of the diode, eliminating unwanted translation during mounting.

The D121 has 8-32 tapped mounting holes and a 110-120 VAC power supply. The European version has M4 mounting holes and a 220-240 VAC power supply.

Features	Low noise photoreceiver with Si-PIN diode	
Applications	General Opto-Electronic Measurements, Spectroscopy, OEM applications	
Specifications	Parameter	Value
Detector	Material	Si-PIN
	Diameter	0.3 mm
	Spectral Response	300-1000 nm
	Conversion	0.5 A/W
Gain	1x10 ⁵ V/A	
Frequency response	DC -150 MHz (typical)	
Low pass filter	10 position rotary switch	10 MHz, 3 MHz, 1 MHz, 300 kHz, 100 kHz, 30 kHz, 10 kHz, 3 kHz, 1 kHz, 300 Hz
On / Off switch	Toggle switch	
Input	NEP	1.5 pW/√Hz at DC -10MHz , 3.5 pW/√Hz at 10 -150MHz
	Max. Input Power	10 mW CW
Output	Impedance	50 Ω
	Noise (RMS)	Less than 5 mV
	Offset	Less than 250 mV after 10 min warm-up
	Voltage	0-5 V, 0-2.5 V at 50 Ω load
	Connector	SMB
Dimensions	W x H x D	50.8 x 25.4 x 69.0 mm
Weight	100 g	
Power supply	AC-DC converter	100-120 VAC / USA, 220-240 VAC / EC or ± 15 V @ 200mA. AC adapter provided with photoreceiver
Storage Temp	-20 to 80 °C	
Operating Temp	0 to 60 °C	