

The PD02 is a low noise high speed photo detector, which comes C-mount ready for attachment to a microscope and also includes a standard 1/4-20 tapped hole for easy mounting to an optical table.

The addition of the PD02 photo detector expands ALCTE's capabilities to include the optical measurement of transmission versus voltage curves and switching times. Fully integrated into the ALCT's software, switching between electrical and optical measurements can be done with a click of the mouse.

Features

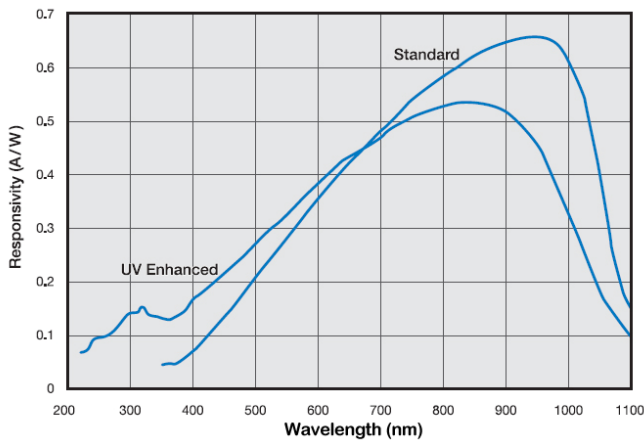
- 1 μ s Response Time
- Easy to Use
- Differential Output
- 4 Post-Gains to Choose From
- Microscope C-mount Ready
- 1/4-20 Tapped Hole for Horizontal Mounting



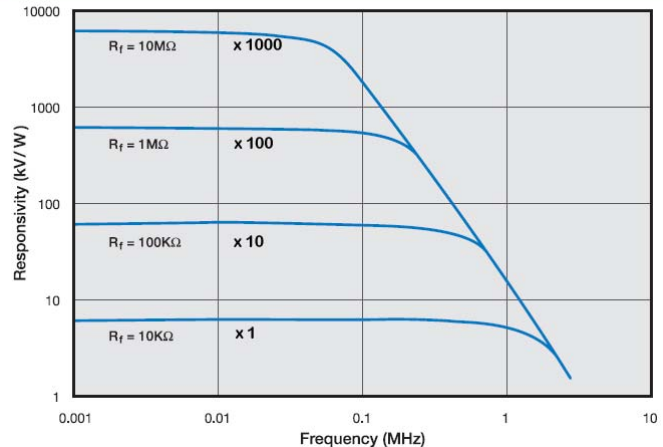
Technical Specifications

Response Speed	1 μ s with post gain x1
Post Gain	x1, $R_f = 10\text{ K}\Omega$; x10, $R_f = 100\text{ K}\Omega$; x100, $R_f = 1\text{ M}\Omega$; x1000, $R_f = 10\text{ M}\Omega$
Input Voltage	100V ~ 240 VAC
Output Voltage	10V
Mounting	C-mount for microscope or 1/4-20 for horizontal mounting

■ Typical Spectral Response



■ Typical Responsivity vs. Frequency



Ordering Information

Part Number	Description
PD02	PD02, C-mount photo detector, universal power supply
ALCTE-PD02	C-mount photo detector, differential output to eliminate noise, cable ready for ALCTE system. Optical features enabled in the WinLCE software.