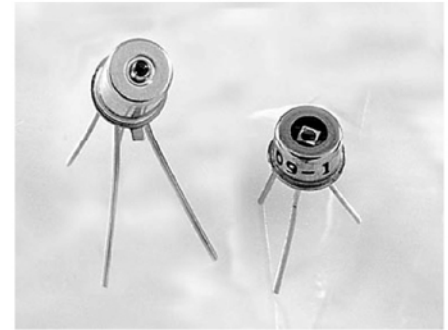


Features

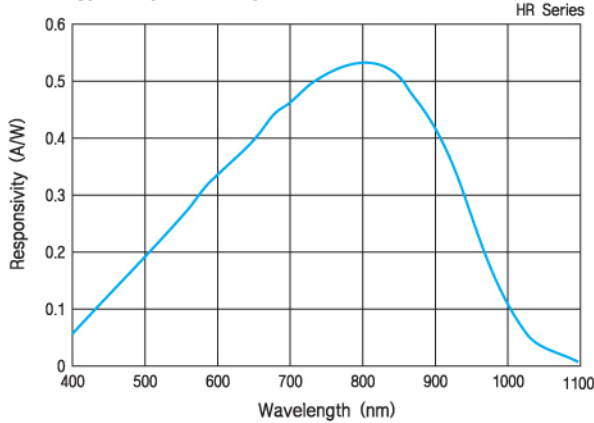
- Low Dark Current
- Low Capacitance
- TO-46 Package
- w/Lensed Cap
- Sub ns Response

Applications

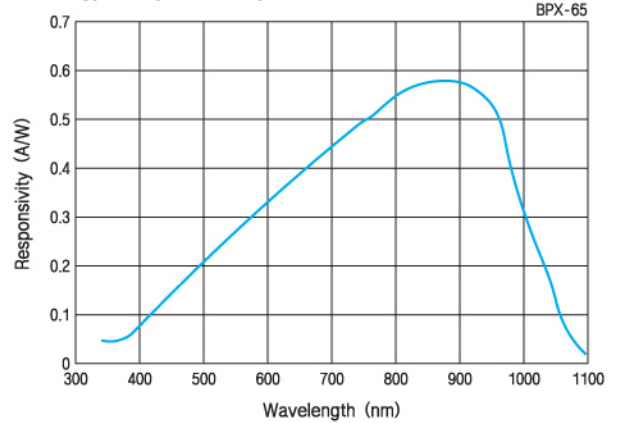
- Video Systems
- Computers and Peripherals
- Industrial Control
- Guidance Systems
- Laser Monitoring



Typical Spectral Response



Typical Spectral Response



Model Number	Active Area		Peak Wavelength (nm)	Responsivity (A/W)		Capacitance (pF)	Dark Current (nA)			NEP (W/√Hz)	Reverse Voltage (V)	Rise Time (ns)	Package Style
	Area (mm ²)	Dimensions (mm)		830 nm						830 nm		830nm 50Ω	
				min.	typ.		typ.	typ.	max.	typ.		max.	

High Responsivity Series (V_{BIAS} = -5V)

Model Number	Area (mm ²)	Dimensions (mm)	Peak Wavelength (nm)	Responsivity (A/W) min.	Responsivity (A/W) typ.	Capacitance (pF) typ.	Dark Current (nA) typ.	Dark Current (nA) max.	NEP (W/√Hz) typ.	Reverse Voltage (V) max.	Rise Time (ns) typ.	Package Style
PIN-HR005 PIN-HR005L*	0.01	0.127 ∅	800	0.45*	0.50*	0.8	0.03	0.8	5.0e-15	15	0.60	TO-18 (L-Ball Lens Cap)
PIN-HR008 PIN-HR008L*	0.04	0.203sq				0.8	0.03	0.8	5.0e-15		0.60	
PIN-HR020 PIN-HR020L*	0.02	0.508 ∅				1.8	0.06	1.0	7.1e-15		0.80	
PIN-HR026 PIN-HR026L*	0.34	0.660 ∅				2.6	0.1	1.5	1.0e-14		0.90	
PIN-HR040 PIN-HR040L*	0.77	0.991 ∅				4.9	0.3	2.0	1.9e-14		1.0	

BPX-65 (V_{BIAS} = -20V)

BPX-65	1.0	1.0 sq	900	0.45	0.5	3.0	0.5	5.0	2.3e-14	50	2.0	TO-18
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Model Number	Active Area		Peak Wavelength (nm)	Responsivity (A/W)		Capacitance (pF)	Dark Current (nA)			NEP (W/√Hz)	Reverse Voltage (V)	Rise Time (ns)	Package Style
	Area (mm ²)	Dimensions (mm)		900 nm						900 nm		820nm	
				min.	typ.		typ.	typ.	max.	typ.		max.	

BPX-65R (V_{BIAS} = -20V)

BPX-65R	1.0	1.0sq	850	0.52	0.55	3.5	1.0	5.0	3.3e-14	30	3.5	TO-18
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* Responsivities are measured for Flat window devices. L- Refers to devices with a Ball-type lens cap. Chip centering is within +/- 0.005" wrt OD of the Header.

** Non-Condensing temperature and Storage Range, Non-Condensing Environment. Cathode on BPX-65R is connected to the case.