

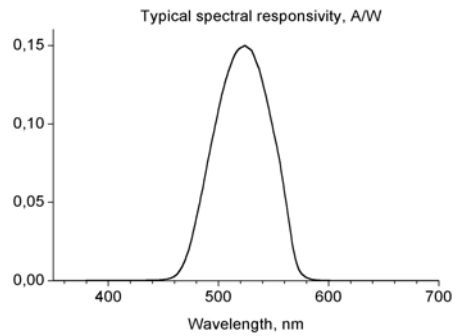
Wavelength range	Type	Technology	Case
Green	Integrated filter	GaP	5 mm plastic lens

Description

Narrow response range (525 nm peak)

Applications

Optical communications,
safety equipment,
automation
analytics



Optical and Electrical Characteristics

$T_{amb} = 25^{\circ}C$, unless otherwise specified

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Active area		A		0.13		mm ²
Peak sensitivity	$V_R = 0 V$	λ_{Smax}		525		nm
Spectral range at 0.5 max.	$V_R = 0 V$	$\lambda_{0.5}$	490		560	nm
Responsivity at 850 nm	$V_R = 0 V$	S_{λ}		0.14		A/W
Acceptance angle		θ		20		deg
Short-circuit current*	$V_R = 0, E_e = 1mW/cm^2$	I_{SC}		1.2		μA
Dark current	$V_R = 5 V, E_e = 0$	I_D		20	50	pA
Reverse voltage	$I_R = 10 \mu A$	V_R		10		V

*Light source is an LED with a peak emission wavelength of 525 nm

