



- Instrumentation
- Industrial controls
- Laser detection
- Flame detection

Figure 1 is a line graph showing the responsivity of the device as a function of wavelength. The x-axis is labeled 'WAVELENGTH (nm)' and ranges from 190 to 1200 nm. The y-axis is labeled 'RESPONSIVITY (A/W)' and ranges from 0 to 0.7. The curve shows a broad peak in responsivity around 900 nm, reaching approximately 0.65 A/W. An inset shows a zoomed-in view of the peak region with a label 'QE = 100%'.

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _{SC}	Short Circuit Current	H = 100 fc, 2850 K	100	125		μA
I _D	Dark Current	H = 0, V _R = 10 V		300	500	pA
R _{SH}	Shunt Resistance	H = 0, V _R = 10 mV	.2	2		GΩ
TC R _{SH}	RSH Temp. Coefficient	H = 0, V _R = 10 mV		-8		% / °C
C _J	Junction Capacitance	H = 0, V _R = 0 V**		1200		pF
λ _{range}	Spectral Application Range	Spot Scan	350		1100	nm
λ _p	Spectral Response - Peak	Spot Scan		950		nm
V _{BR}	Breakdown Voltage	I = 10 μA	30	50		V
NEP	Noise Equivalent Power	V _R = 10 mV @ Peak		1.0x10 ⁻¹⁴		W/ √Hz
tr	Response Time	RL = 1 KΩ V _p = 0 V		800		nS