

DESCRIPTION/产品描述

To46 package, silicon photodiode, blue light window, anti-interference, small dark current, fast response, widely used.

TO46 封装, 硅光电二极管, 青蓝色光窗, 抗干扰, 暗电流较小, 响应速度快, 应用广泛。

APPLICATIONS/典型应用

- photo detector/光电探测
- Security system /安防
- Camera/相机

FEATURES/特性

- Fast response time/反应快
- High photo sensitivity/灵敏度高

TYPICAL ABSOLUTE MAXIMUM RATINGS/ 典型额定参数

SYMBOL/符号		UNITS/单位	
BVR/反向击穿电压	15	V	Reverse Breakdown Voltage @25°C
Storage Temperature/贮存温度	-20 to +75	°C	-
Operating Temperature/工作温度	-20 to +65	°C	-
Soldering Temperature*/焊接温度	+260	°C	*Soldering Time < 3s/焊接时间小于 3s

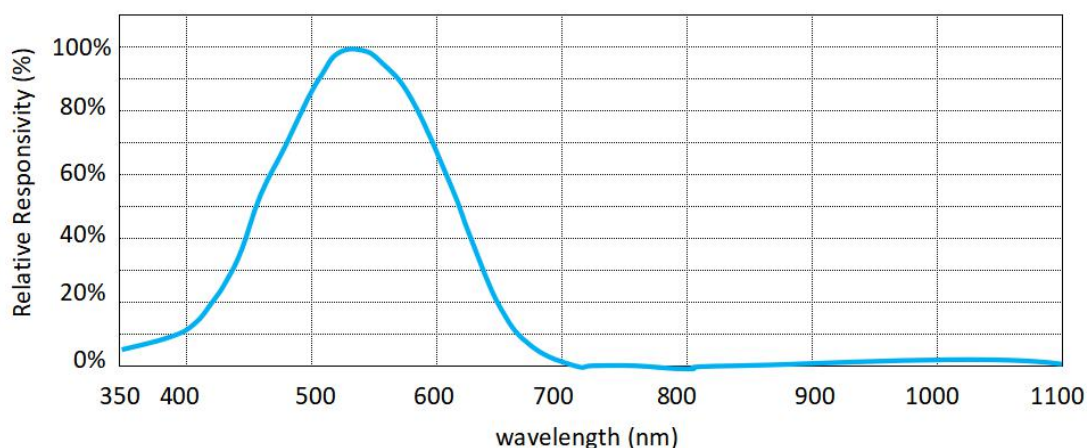
* 1/8 inch(>3mm) from case for 3 seconds max.

TYPICAL OPTO-ELECTRICAL PARAMETERS@25°C/典型光电参数

PARAMETER 项目	TEST CONDITIONS 测试条件	MIN 下限	TPY 典型	MAX 上限	UNITS 单位
Forward Voltage 正向电压	$I_F=10\text{ mA}$	0.5		1.3	V
Light Current (2856K) 亮电流	$V_R = 5\text{V}; E_v = 1000\text{ lux}$		1.6		μA
Dark Current 暗电流	$V_R = 5\text{ V}$	10			nA
Spectrum Sensitivity 光谱响应范围		350		700	nm
Peak Sensing Wavelength 峰值波长			520		nm

TYPICAL PERFORMANCE/典型曲线

光谱响应度曲线（典型）



Information in this technical datasheet is believed to be correct and reliable. However, no responsibility is assumed for possible inaccuracies or omission. Specifications are subject to change without notice.