

## DESCRIPTION/产品描述

To18package, silicon photodiode, transparent window, wide spectrum range, small dark current, fast response, widely used.

TO18 封装, 硅光电二极管, 透明窗口, 光谱范围宽, 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

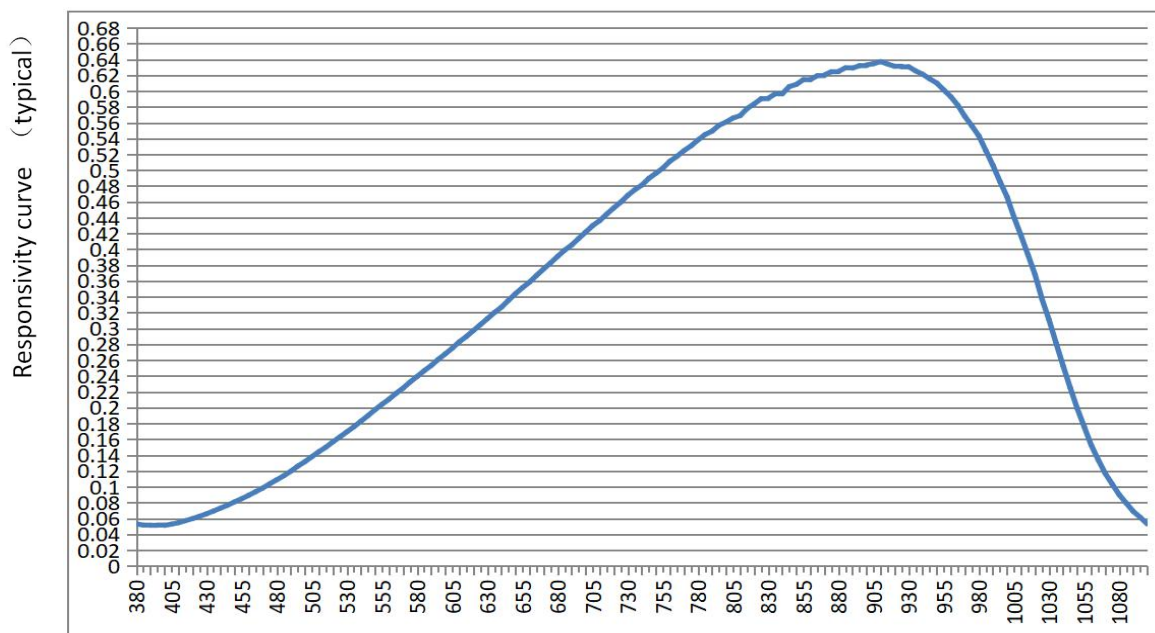
SYMBOL/符号		UNITS/单位	
BVR/反向击穿电压	15	V	Reverse Breakdown Voltage @25°C
Storage Temperature/贮存温度	-20 to +75	°C	-
Operating Temperature/工作温度	-20 to +65	°C	-
Soldering Temperature*/焊接温度	+260	°C	*Soldering Time < 3s/焊接时间小于 3s

\* 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	$V_R = 5\text{V}; E_v = 1000\text{ lux}$		15		uA
Dark Current 暗电流	$V_R = 5\text{ V}$	10			nA
Spectrum Sensitivity 光谱响应范围		430		1100	nm
Peak Sensing Wavelength 峰值波长			940		nm

**TYPICAL PERFORMANCE/典型曲线**



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.