特点（C ）：

*

High reliability High radiant intensity Low forward voltage

*

Fast response time High photo sensitivity

* 940nm

Cut-off visible wavelength λp=940nm

* Rohs

Pb.Free RoHS compliant version

* MSL :2

电性参数

✧极限参数 =25 ：Absolute Maximum Ratings (Temperature=25°C):

Input Emitter	Power Dissipation*1	PD	75	mW
	Continuous Forward Current	IF	50	mA
	Peak Forward Current*2	IFP	1	A
	Reverse Voltage	VR	5	V
Output Detector	Power Dissipation*1	PD	75	mW
	- Collector-Emitter Voltage	VCEO	30	V
	- Emitter-Collector Voltage	VECO	5	V
	Collector Current	IC(on)	20	mA
Operating Temperature		Topr	-20 ~ +85	
Storage Temperature		Tstg	-40 ~ +85	
Lead Soldering Temperature*3		Tsol	260	

光电参数（温度=25℃）：

Electro-Optical Charasteristics (Temperature=25°C):

电压分档:

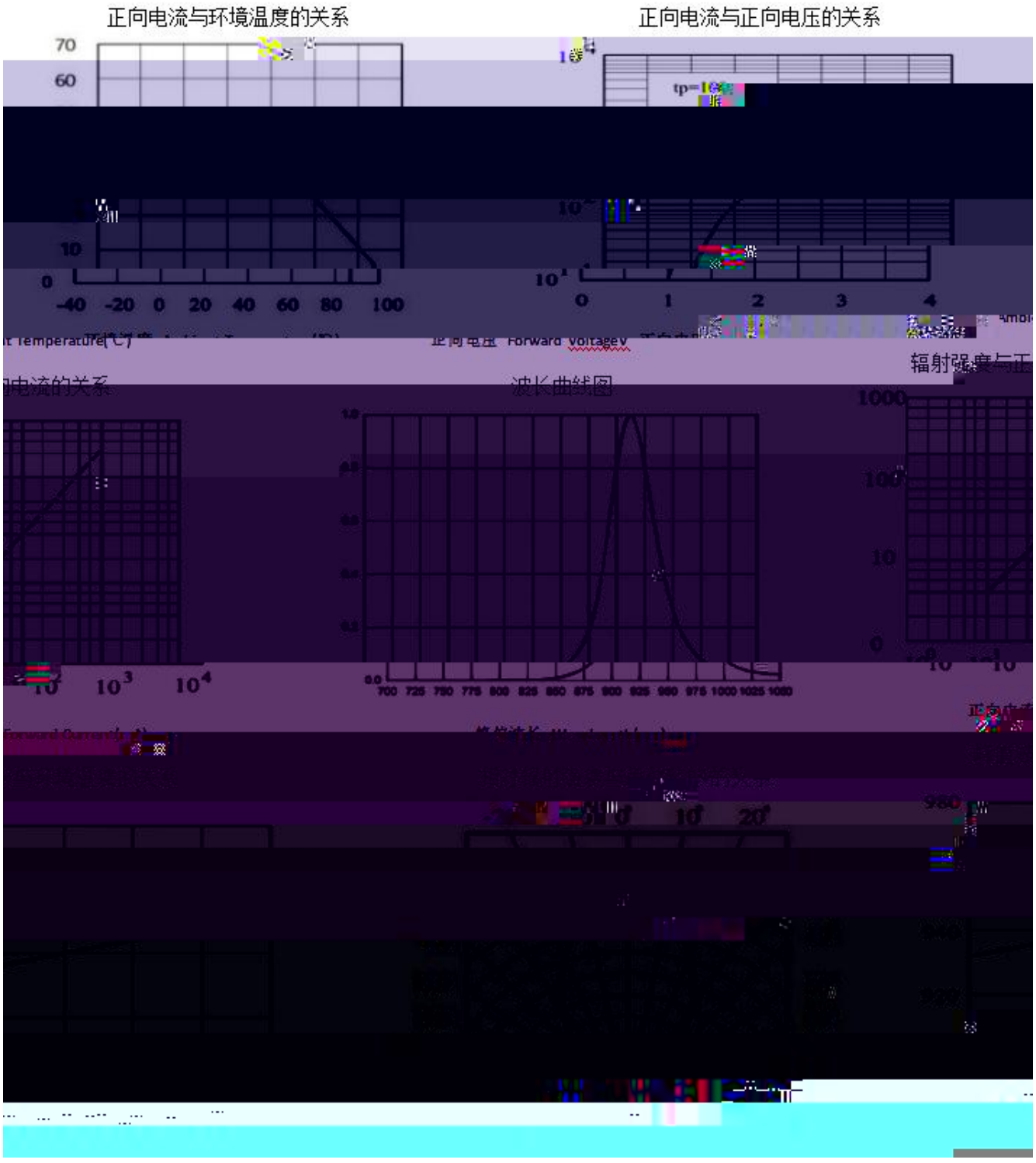
代码	最小值	最大值	单位	测试条件
R2-4	1.2	1.6	V	IF=20mA

光电流分档:

代码	最小值	最大值	单位	测试条件
IC12-18	0.6	0.9	mA	IF=20mA VCE=5V

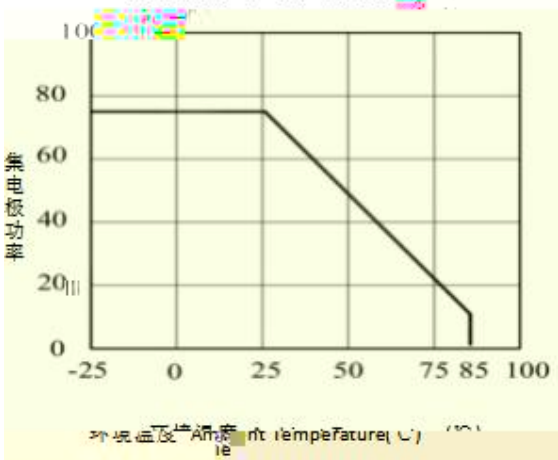
典型特性曲线

发射管特性曲线图 Typical Electro-Optical Characteristics Curves-IR

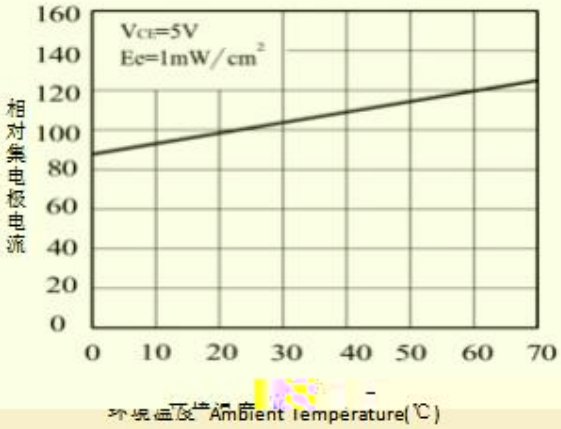


接收管特性曲线图

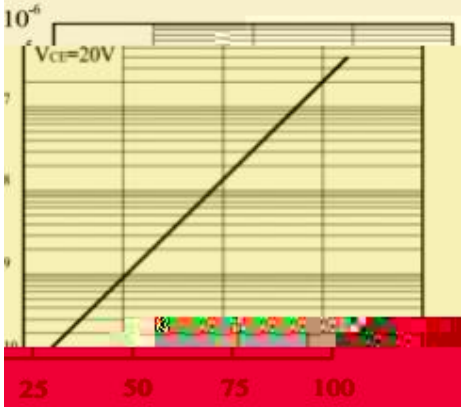
集电极功率与环境温度的关系



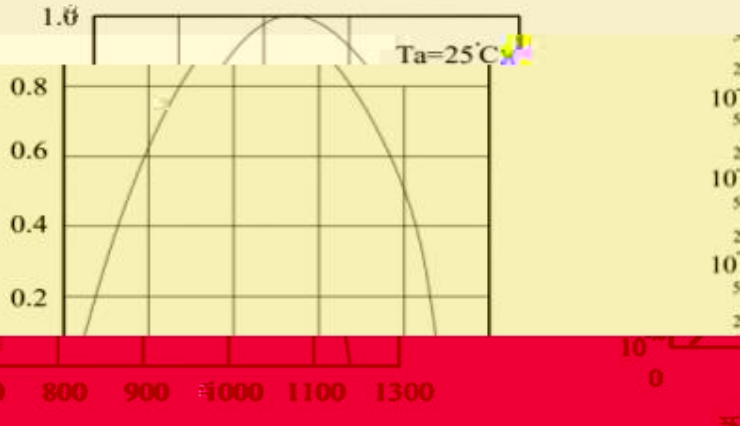
相对集电极电流与环境温度的关系



集电极暗电流与环境温度的关系

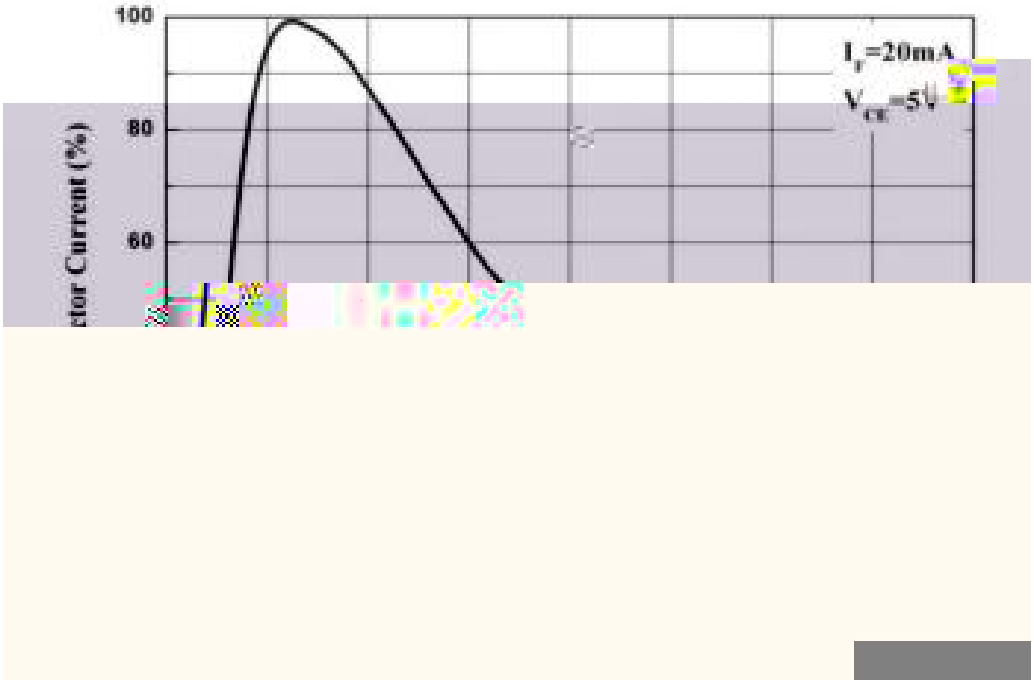


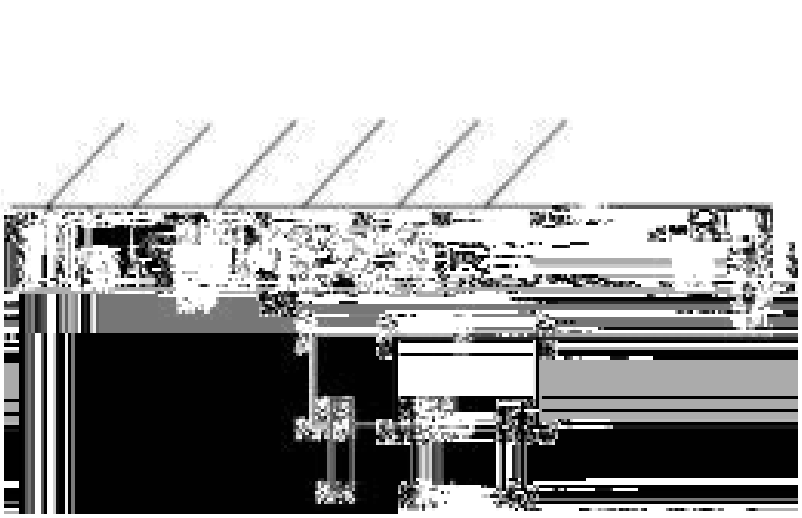
感应波长图



光电开关特性曲线图

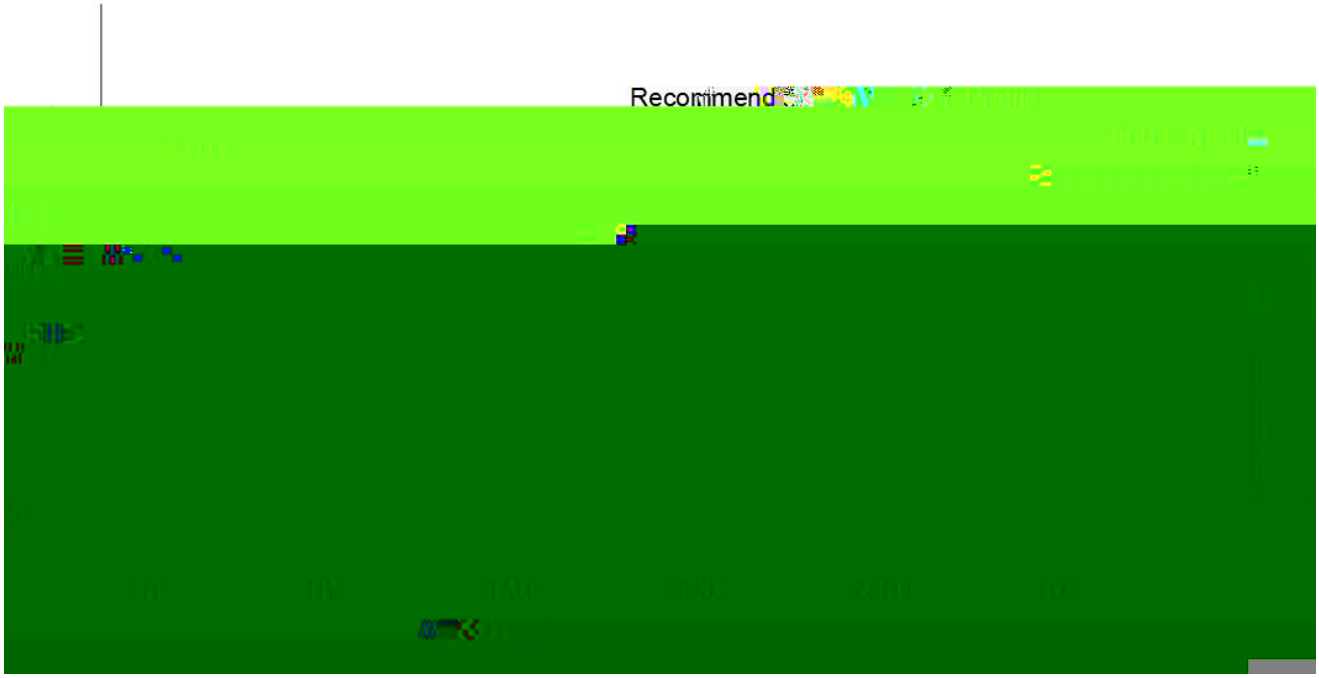
Relative Collector Current vs DIistance Between Sensor





焊接指导

The wave peak welding curve is recommended :



Note

1
Lead solder temperature profile

2
Peak welding shall not be done more than once

3 LED
When soldering, do not put stress on the LED during heating

4
After soldering, do not warp the circuit board

5 240 ± 5 /6S
The recommended maximum welding temperature for the product is 240 ± 5 /6s

Part