

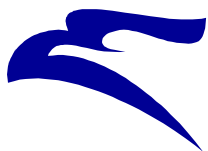
Specification
产品规格书

客户名称 (CUSTOMER):	
样品名称 (DESCRIPTION):	0805 平头环保光敏传感器
型号 (Part No):	DP-0805EW-AY
日期 (Date):	2022-12-2

公司邮箱: josensong@163.com
销售热线: 15914189777

生产部 Production Dept.	品质部 Quality Dept.	工程部 Engineering Dept.	市场部 Marketing Dept.

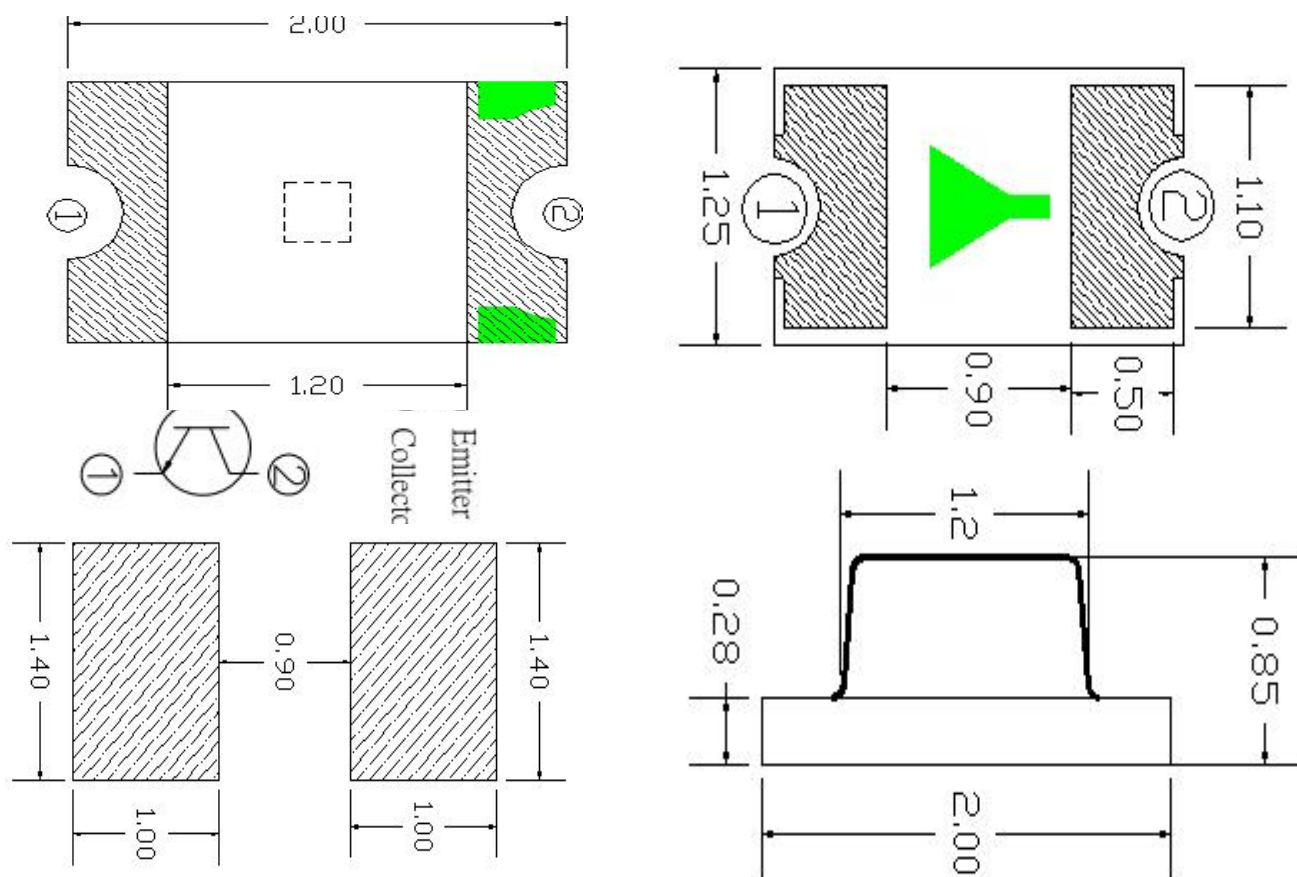
客户承认结果 Customer acknowledges Results	客户签名确认 Customer signature confirmation	批准 Approval	制定 Formulate



1. 产品描述/ Features

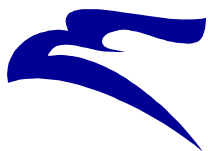
- 外观尺寸/ Package (L/W/H) : 3.2*1.6*0.9 mm
- 颜色/ Color: 红外光 / Infrared light
- 胶体/ Lens: 透明平面胶体/ Transparent planar colloid
- EIA规范标准包装/ EIA STD Package
- 环保产品，符合ROHS要求/ Meet ROHS, Green Product
- 适用于自动贴片机/ Compatible With SMT Automatic Equipment
- 适用于红外线回流焊制程/ Compatible With Infrared Reflow Solder Process

2. 外形尺寸及建议焊盘尺寸/ Package Profile & Soldering PAD Suggested



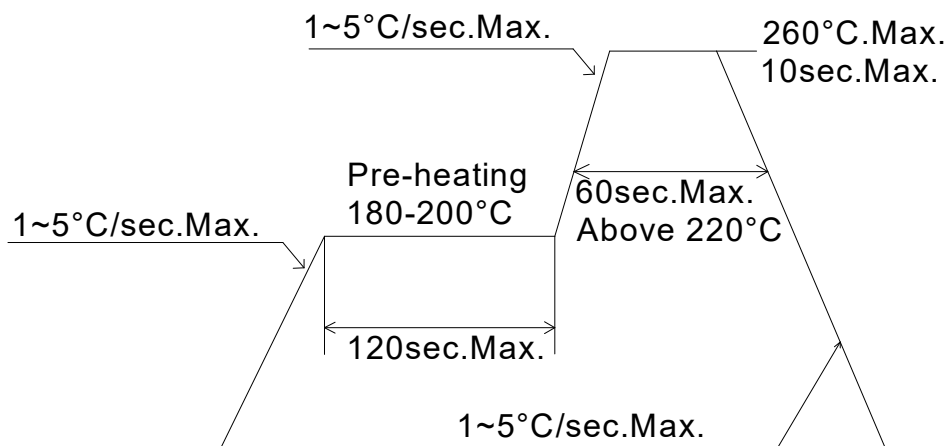
注/ Notes: 1. 单位 : 毫米 (mm) / All dimensions are in millimeters

2. 公差 : 如无特别标注则为 ± 0.1 mm Tolerance is ± 0.10 mm unless otherwise noted



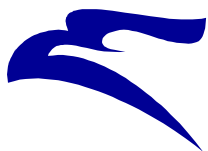
3. 建议焊接温度曲线 / Soldering Profile Suggested

lead-free solder



4. 最大绝对额定值/ Absolute Maximum Ratings (Ta=25°C)

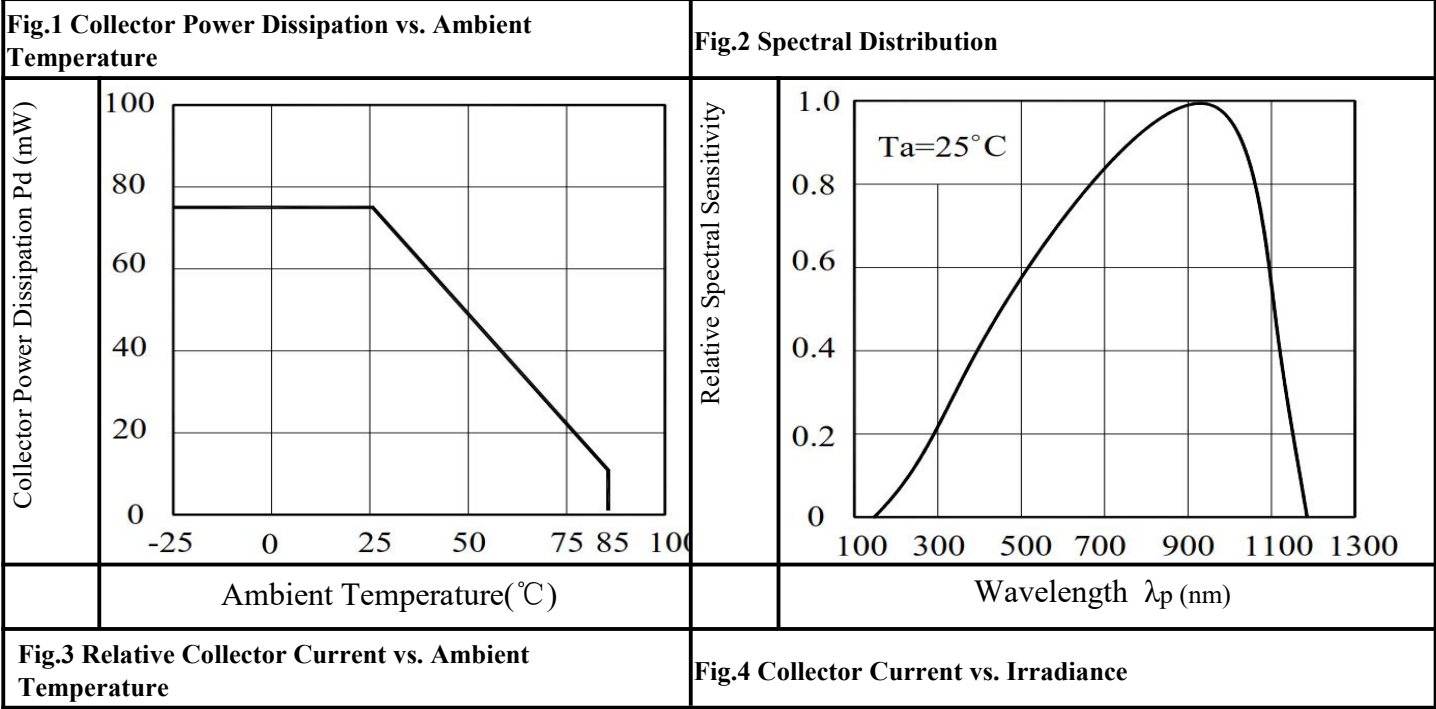
参 数/ Parameter	符号Symbol	最大额定值/ Rating	单 位/ Unit
消耗功率/ Power Dissipation	Pd	60	mW
收集器、发射器电压/Collector-Emitter Voltage	IFP	50	V
正向直流工作电流/ DC Forward Current	IF	20	mA
工作温度范围 Operating Temperature Range	Topr	-40°C ~ + 65°C	
存储温度范围 Storage Temperature Range	Tstg	-40°C ~ + 85°C	
焊接条件 Soldering Condition	Tsol	回流焊/ Reflow soldering : 260°C , 10s 手动焊/ Hand soldering : 300°C , 3s	
抗静电能力 Electrostatic Discharge	ESD		V

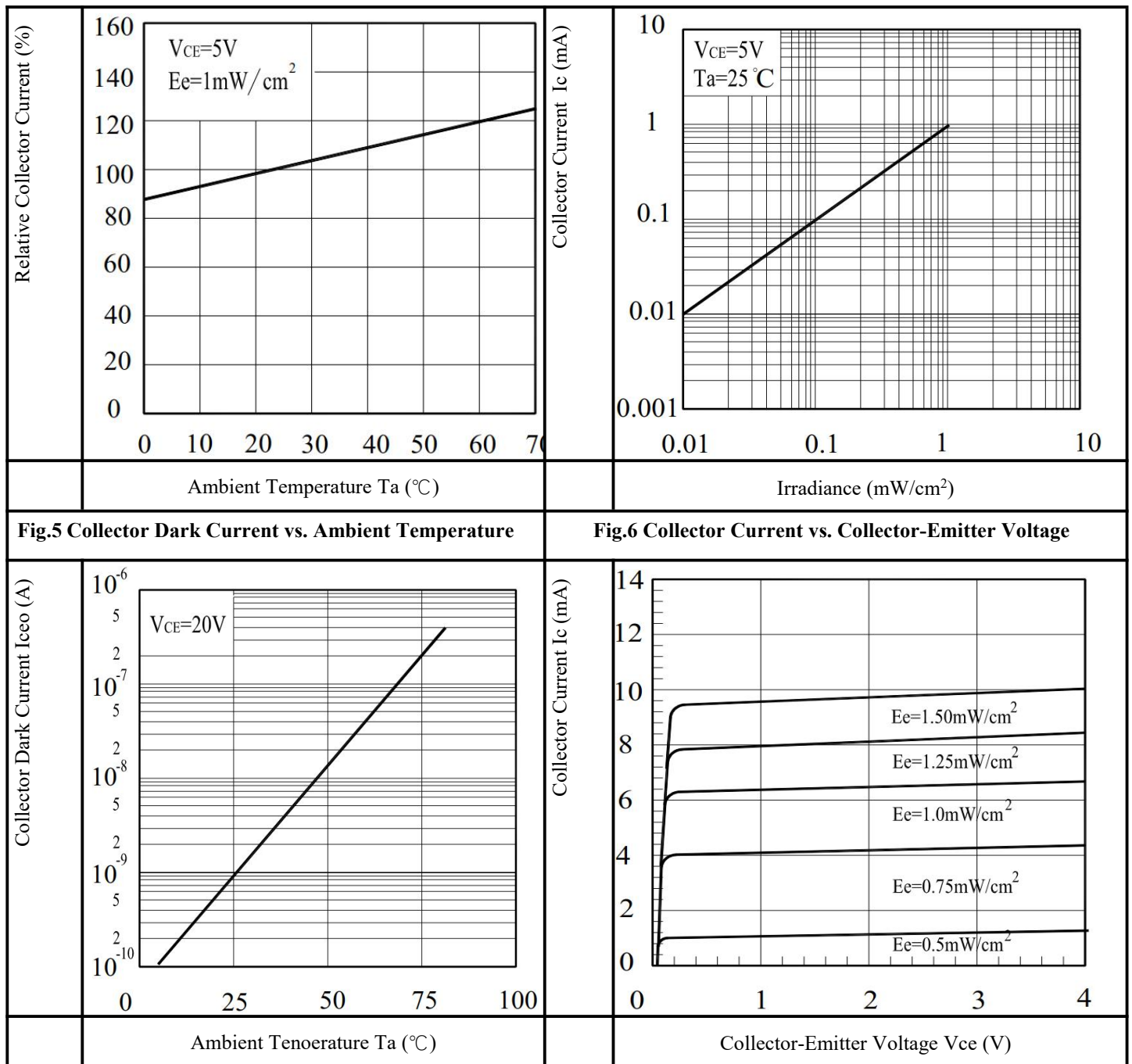
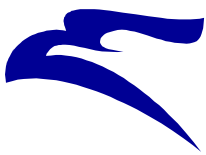


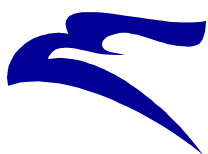
5. 光电参数/ Electrical Optical Characteristics （Ta=25°C）

参数 Parameter	符号 Symbol	最小值 Min.	代表值 Typ.	最大值 Max.	单位 Unit	测试条件 Test Condition
集电极光电流 Dark Current of collector		1		2	uA	VCE = 5V; EV=10lux
集电极暗电流 Dark Current of collector	ICEO	--		10	nA	VCE = 20V; H=0mw/cm²
集电极-发射极饱和压降 Collector - emitter	VCE(Sat)	--		0.2	V	IB=100uA IC=2mA
集电极-发射极击穿电压 Collector-emitter reverse breakdown voltage	BVceo			90	V	Ic=100uA; IB=0
发射极-集电极反向击穿电压 Emitter - base reverse	BVebo			9	V	IE=100uA; IC=0
峰值波长传感 Peak sensing Wavelength	λ p	--	940	--	nm	

6. 光电参数代表值特征曲线/ Typical Electrical-Optical Characteristics Curves

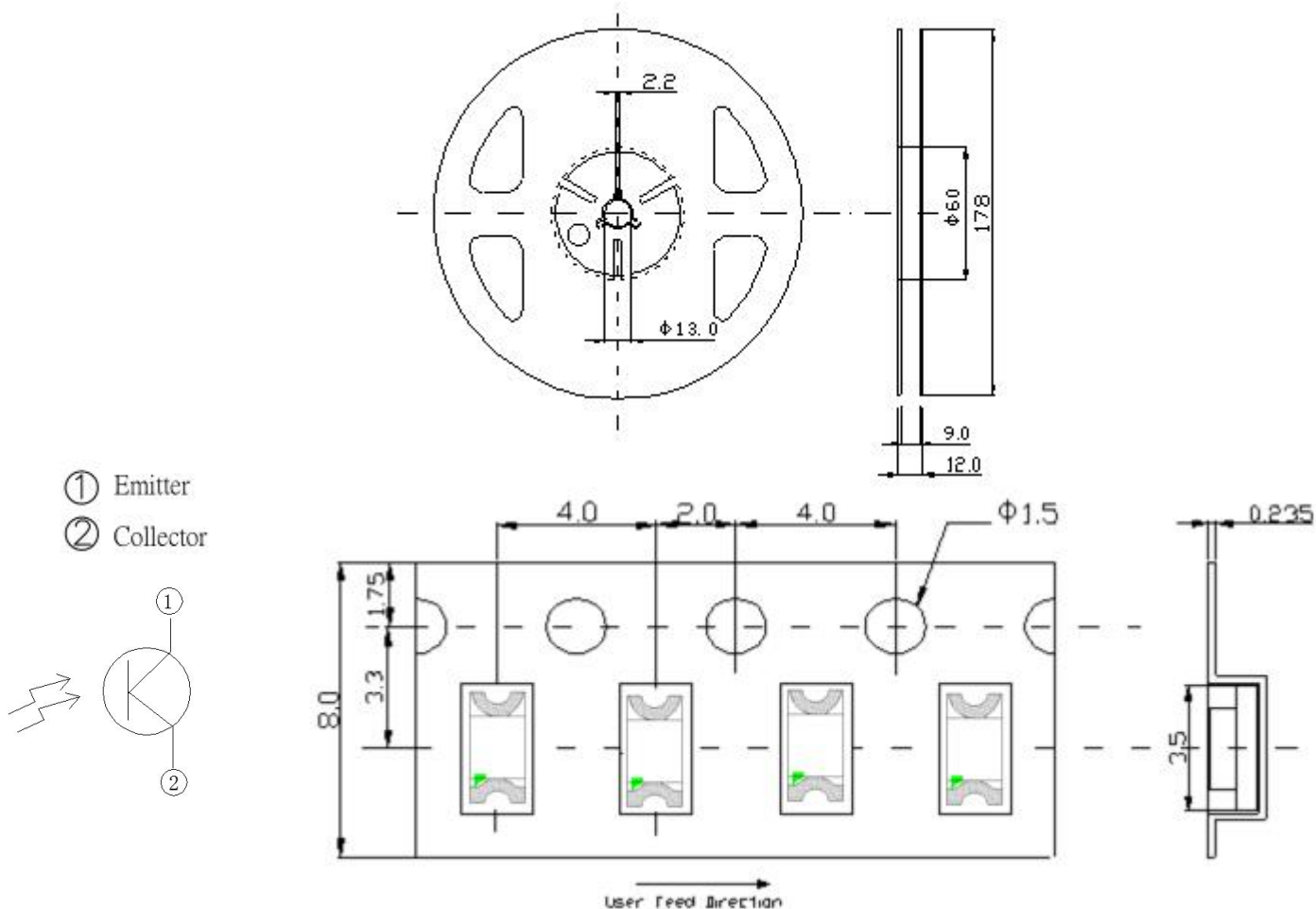






7. 包装载带与圆盘尺寸/ Reel And Tape Dimensions

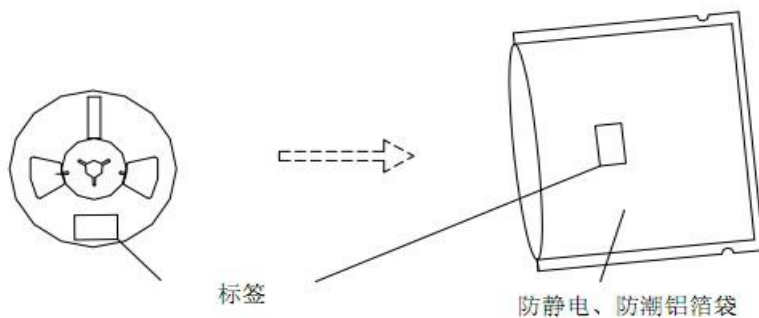
包装数量: 3000 pcs/卷 Packing quantity: 3000 PCS/rolls

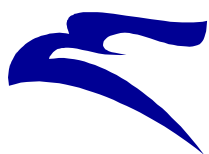


注/ Notes: 1. 尺寸单位为毫米(mm)/ All dimensions are in millimeters.

2. 尺寸公差是 ± 0.1 mm/ Tolerance is ± 0.1 mm unless otherwise noted.

8. 标签及标识/ Label Explanation:





9. 信赖性测试项目及条件/Reliability Test Items And Conditions

测试项目 Test Item	Ref. Standard 参考标准	Test Condition 测试条件	Time 时间	Quantity 数量	Accepted/Rejected 接收/拒收
Reflow 回流焊	JESD22-B106	Temp:255℃max T=10 sec	1times	22	0/1
Thermal Shock 冷热冲击	JESD22-A106	-40℃ 30min ↑ ↓ 100℃ 30min	100 cycles	22	0/1
High Temperature Storage 高温保存	JESD22-A103	Temp:100℃	168Hrs.	22	0/1
Low Temperature Storage 低温保存	JESD22-A119	Temp:-40℃	168Hrs.	22	0/1
Life Test 常温通电	JESD22-A108	Ta=25℃ IF=20mA	168Hrs.	22	0/1
High Temperature / High Humidity 高温高湿	Qiangsq831	85℃/ 85%RH	168Hrs.	22	0/1

失效判定标准 Criteria For Judging Damage

Test Items 项目	Symbol 符号	Test Condition 测试条件	Judging For Damage 判定标准	
			Min. 最小	Max. 最大
Forward Voltage 正向电压	VF	IF=20mA	-	U.S.L*)x1.1
Reverse Current 漏电流	IR	VR = 5V	-	U.S.L*)x2.0
光强 Luminous Intensity	Mcd	IF=20mA	L.S.L*)x0.7	