

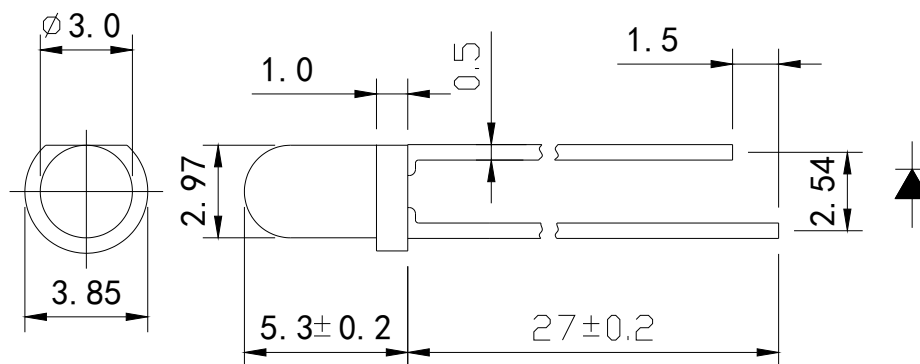
规格承认书

型号: 3mm 发射管

1、Features (特征)

- (1). 3.0*5.3mm ELLIPSE LAMP
(3.0*5.3mm 红外发射二极管)
- (2). LOWCURRENT REQUIREMENT
(低电流驱动)
- (3). LOWPOWER CONSUMPTION
(低功率消耗)
- (4). VERSATILE MOUNTING ON P.C. BOARD PANEL
(易安装)
- (5). LONG LIFE-SOLID STATE RELIABILITY
(寿命长)

2、Package Dimensions(封装尺寸)



Notes:

- (1). All dimensions are in millimeters.
(单位: 毫米)
- (2). Tolerance is ± 0.2 unless otherwise noted.
(尺寸公差: ± 0.2 , 另有标注除外.)
- (3). Specifications are subject to change without notice.

Infrared Emitting Diode 红外线发射管

(规格若有变动,恕不另行通知.)

Module No:3mm 发射管

3、Electrical / Optical Characteristics at $T_A=25^{\circ}\text{C}$ (25°C 环境下之电性/光学特性)

Parameter(参数)	Symbol(符号)	Min.(最小值)	Typ.(规格值)	Max.(最大值)	Units(单位)	Test Conditions(测试条件)
Forward Voltage (正向电压)	VF	1.1	1.25	1.4	V	IF=20mA
Dominate Wavelength (主波长)	λ_D	930	940	950	nm	IF=20mA
Spectral Line Half-width (带宽)	$\Delta \lambda$	-	15	-	nm	IF=20mA
Reverse Current (反向电流)	IR	-	-	10	uA	VR=0V
Radiant Intensity (辐射强度)	Po	30	40	50	mW/sr	IF=20mA
Tenninal Capacitance	Ct		20		pF	F=1MHZ
Viewing Angle(角度)	2θ		30°		deg	
Shoot distance (发射距离)		15		20	m	

4、Absolute Maximum Ratings at $T_A=25^{\circ}\text{C}$ (在 25°C 环境下之最大绝对额定值)

Parameter(参数)	Symbol(符号)	Maximum Rating(最大值)	Units(单位)
Power dissipation(功率消耗)	Pd	75	mW
Forward Current(正向电流)	IF	20	mA
Peak Forward Current (1)(正向电流峰值)	IF(Peak)	120	mA
Reverse Voltage(反向电压)	VR	0 V	
Operating Temperature(操作温度)	Topr	-25°C To +85°C	
Storage Temperature(贮藏温度)	Tstg	-25°C To +85°C	
Lead Solder Temperature(2)(焊接温度)	Tsol	260°C for 3 seconds	

Note:

(1). 1/10 Duty Cycle, 1ms Pulse Width.

(1/10周期, 1ms脉宽)

(2). 3mm below package base.

(在胶体3毫米以下焊接)

(3). The production accord with the demand of ROHS.

(此产品符合ROHS要求.)

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5、Graphs

