

规格承认书

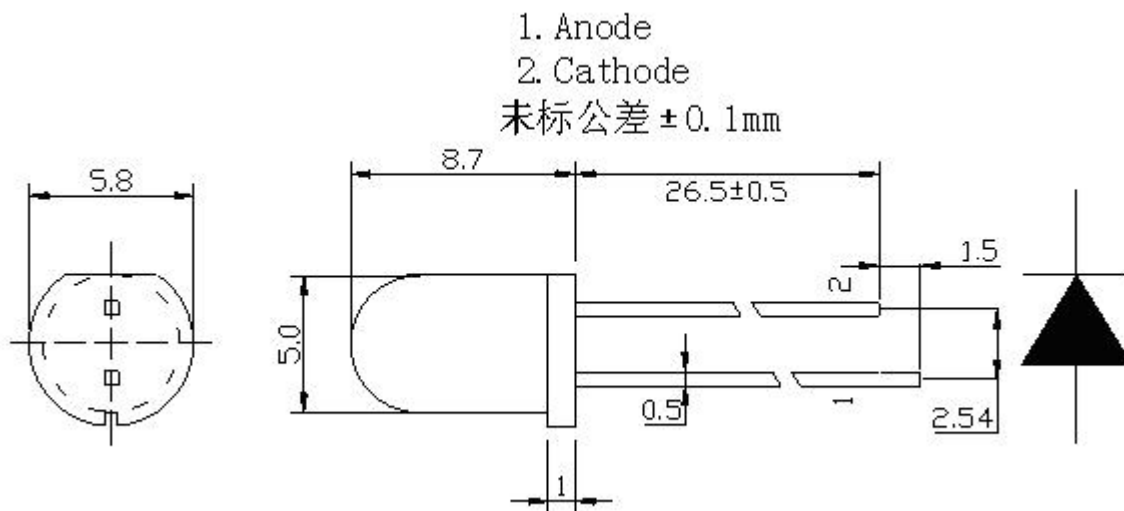
客户名称		红外线发射管实图  型号：5AWMC06A-T14
业务联系人	罗毅	
联系电话	13510504606	

型号: **5AWMC06A-T14**

1、Features (特征)

- (1). 5*8.7mm ELLIPSE LAMP
(5*8.7mm 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 ± 0.25 unless otherwise noted.
(尺寸公差: ± 0.25 ,另有标注除外.)
- (3).Specifications are subject to change without notice.
(规格若有变动,恕不另行通知.)



深圳市诚强光电数码有限公司

Infrared Emitting Diode 红外线发射管

Module No:5AWMC06A-T14

3、Electrical / Optical Characteristics at TA=25℃ (25℃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)	TestConditions (测试条件)
Forward Voltage (正向电压)	VF	--	1.2	1.35	V	IF=20mA
Forward Voltage	VF		1.5	1.6		IF=100MA
Peak Emitting Wavelength (峰值波长)	λ_p	--	940	--	nm	IF=20mA
Spectral Line Half Width (光谱半宽度)	$\Delta \lambda$	--	20	--	nm	IF=20mA
Reverse Current (反向电流)	IR	--	--	10	uA	VR=5V
Axial Radiant Intensity (辐射强度)	Io		12	18--	mW/sr	IF=80mA
Tenninal Capacitance (结电容)	Ct	--	20	--	pF	F=1MHZ
Half Intensity Angle (角度)	2 θ 1/2	--	30	--	deg	IF=20mA
Shoot distance (发射距离)		15		20	m	

4、Absolute Maximum Ratings at TA=25℃(在25℃环境下之最大绝对额定值)

Parameter(参数)	Symbo(符号)	Maximum Rating(最大值)	Units(单位)
Power dissipation (耗散功率)	PD	75	mW
Aerage Forward Current(正向电流)	IF	35	mA
Peak Forward Current(Duty=0.1,1KHZ) (正向电流峰值)	IpF(Peak)	500	A
Reverse Voltage(反向电压)	VR	5 V	
Operating Temperature Range (工作温度)	Topr	-20℃ To +65℃	
Storage Temperature Range (贮藏温度)	Tstg	-40℃ To +80℃	
Lead Solder Temperature(2)(焊接温度)	Tsol	260℃ for 3 seconds	

Note:

(1).1/10 Duty Cycle, 0.1ms Pulse Width.

(1/10周期, 0.1ms脉宽)

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

(此产品符合ROHS要求.)

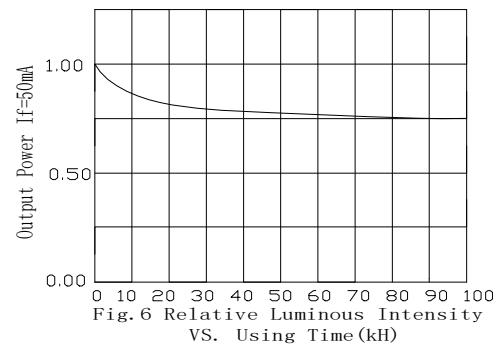
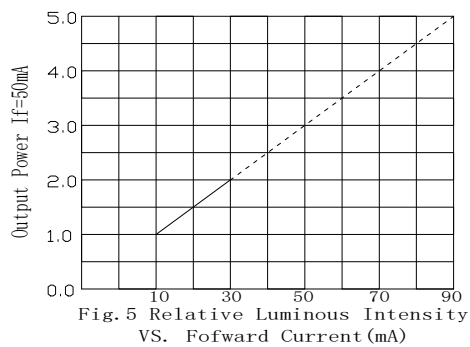
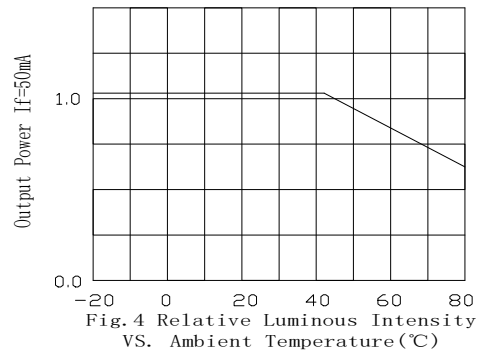
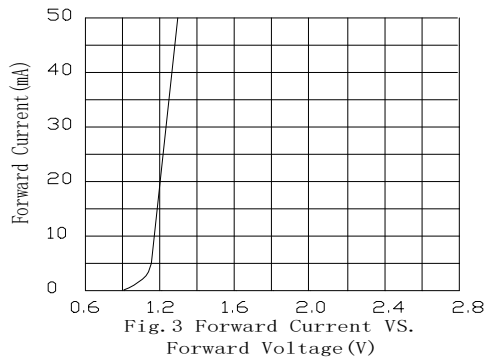
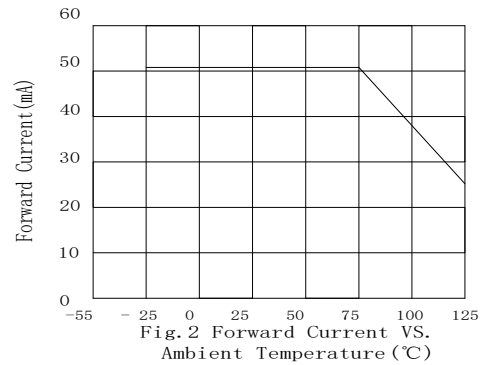
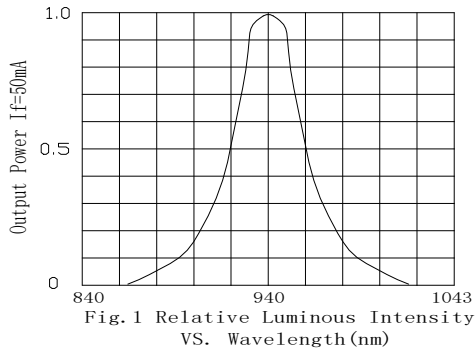
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5、Graphs





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