



深圳成光兴光电技术股份有限公司

SHENZHEN CGX OPTOELECTRONIC TECHNOLOGY, INC.

样品规格承认书

SAMPLE APPROVAL SHEET

客户名称

Company Name : _____

产品型号

Part Number: **1134GIRPC0/D16**

送样日期

Sample Date: _____

APPROVED SIGNATURES (供应商确认)		
核准	品保	工程

客户确认：样品承认 不予承认需重新送样 不予承认不需送样

客户建议: _____

APPROVED SIGNATURES (客户确认)		
核准	工程	品保

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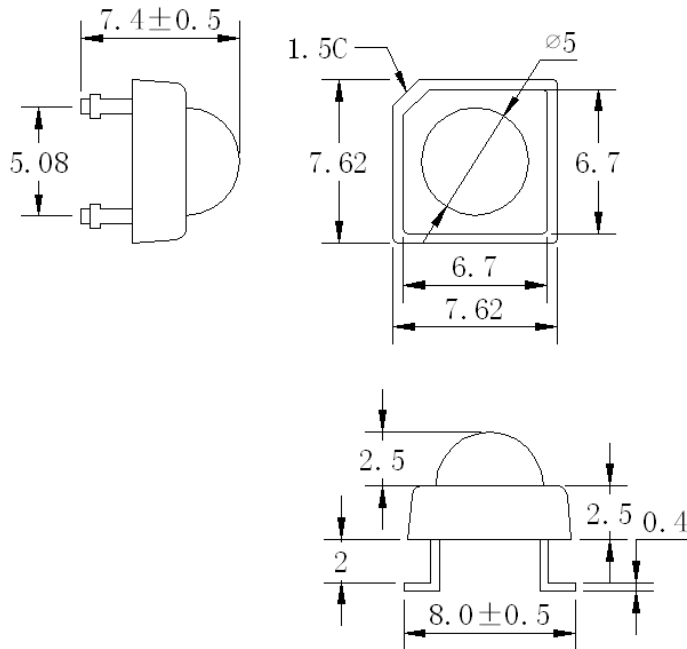
Http:www.szcgx.com



Features

- ◆ High radiant intensity
- ◆ Peak wavelength: $\lambda_p=850\text{nm}$
- ◆ High reliability

Package Dimension:



Model No.	Chip Material	Lens Color	Source Color
1134GIRPC0/D16	GaAlAs	Water clear	Infrared

Notes:

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted.
3. Protruded resin under flange is 1.0mm max.



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Model No: 1134GIRPC0/D16

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	MAX	Unit
Power Dissipation at(or below) 25 °C free air temperature	P_d	150	mW
Peak Forward Current (Pulse width=100 μ s $t_p/T=0.01$)	I_{FP}	400	mA
Continuous Forward Current	I_F	100	mA
Reverse Voltage	V_R	5	V
Operating Temperature Range	T_{opr}	-25°C to +70°C	
Storage Temperature Range	T_{stg}	-25°C to +85°C	
Lead Soldering Temperature (4mm From Body)	T_{sol}	200°C for 5 seconds	

Electrical Optical Characteristics at Ta=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	E_e	20	30	-----	Mw/sr	$I_F=80mA$
Viewing Angle	$2\theta_{1/2}$	----	60	-----	Deg	
Peak Emission Wavelength	λ_p	830	845	855	nm	$I_F=80mA$
Spectral Line Half-Width	$\Delta\lambda$	----	40	----	nm	$I_F=80mA$
Forward Voltage	V_F	1.40	1.55	1.65	V	$I_F=80mA$
Reverse Current	I_R	----	----	10	μA	$V_R=5V$



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Typical Electro-Optical Characteristics Curve:

Fig 1. Forward Current vs. Forward Voltage

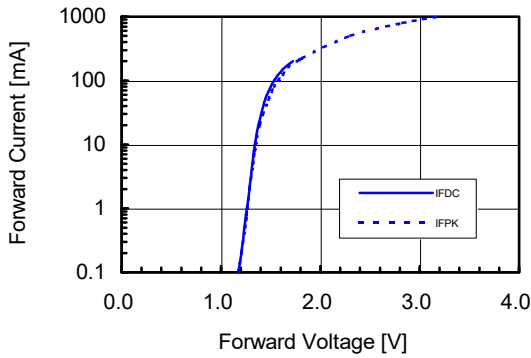


Fig 2. Relative Radiant Power vs. Wavelength

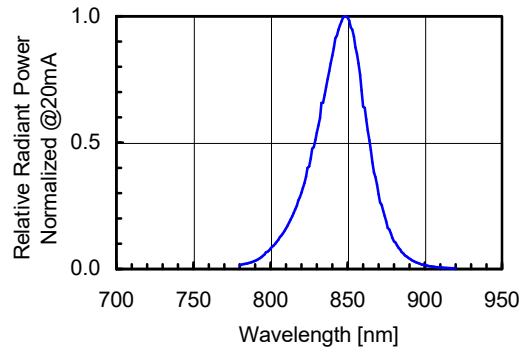


Fig 3. Relative Radiant Power vs. Forward DC Current

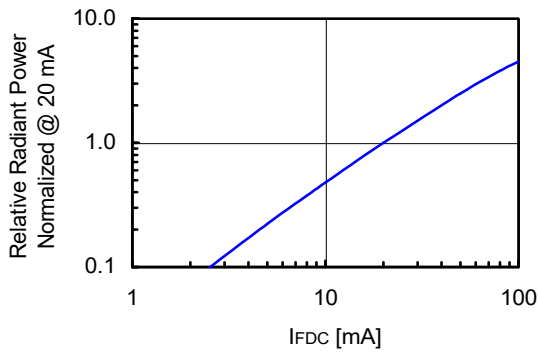


Fig4. Relative Radiant Intensity Vs. Angular Displacement

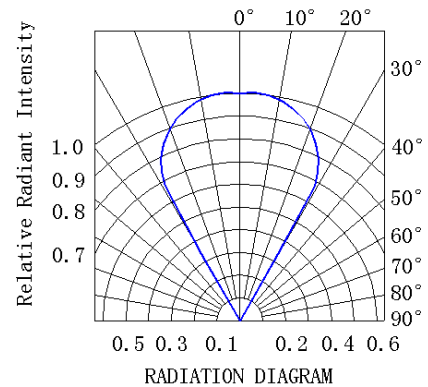


Fig 5. Forward DC Voltage vs. Temperature

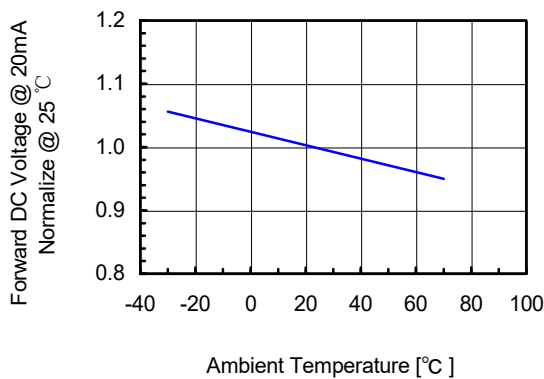


Fig 6. Relative Radiant Power vs. Temperature

