VISIBLE LIGHT EMITTING DIODE

DATA SHEET

MODEL NO: GT3-4Y05T15G

REV. : 2. 0

DATE : 11-MAY.-2009

■ DESCRIPTIONS:

- 3mm Round lamp
- Lens color: Yellow Transparent
- Emitting Color: Yellow
- No Stopper
- Dice Material: AlGaInP

■ APPLICATIONS:

- TV set
- Monitor
- Telephone
- Computer
- circuit board

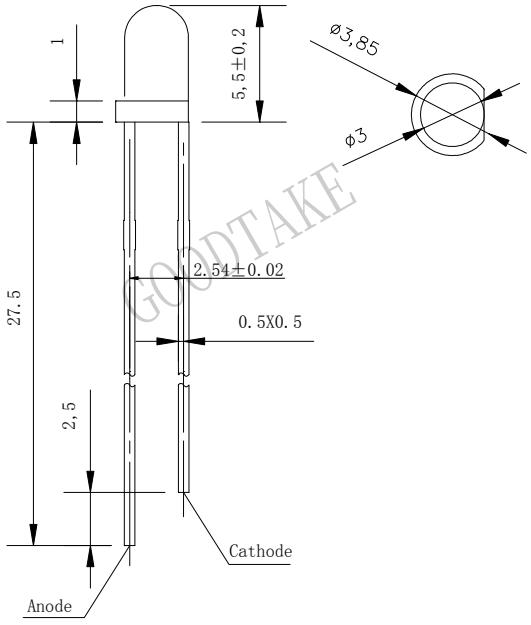
■ **ABSOLUTE MAXIMUM RATINGS (**Tamb=25,unless otherwise specified)

Parameter	Test condition	Symbol	Ratings	Unit
Forward Current		IF	20	mA
Power Dissipation		PD	50	mW
Peak Forward Current	tp/T=0.1,tp=100μs	IFP	100	mA
Reverse voltage		VR	5	V
Operating Temperature		Topr	-40～+85	℃
Storage Temperature		Tstg	-40～+100	℃
Soldering Temperature		Tsol	260℃ for 5 sec Max (2mm from Body)	

Basic Characteristics(Tamb=25,unless otherwise specified)

Parameter	Symbol	Min.	Type	Max.	Unit	Test Condition
Forward Voltage	**VF**		2.0	2.8	V	IF=20mA
Luminous Intensity	**Iv**	380	450		**mcd**	IF=20mA
Reverse Current	**IR**			10	μA	VR=5V
Peak Wavelength	**λp**		585	590	nm	IF=20mA
Dominant Wavelength	**λp**	582			nm	IF=20mA
View Angle	**2θ1/2**		20		deg	IF=20mA

- **Dimensions:**



NOTE：1. All dimensions are in millimeter, tolerance is ±0.05unless otherwise noted.
2. Epoxy meniscus extends ≤1 mm down to the lead is allowed.

■ Typical electro-optical characteristics curves

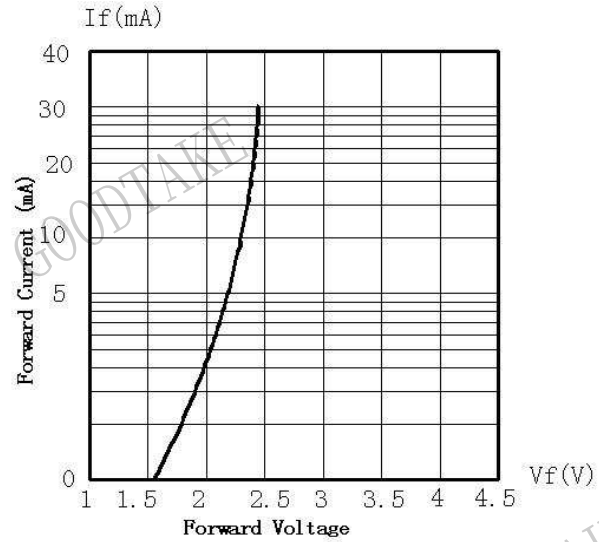


Fig.1 forward Current vs. Forward Voltage

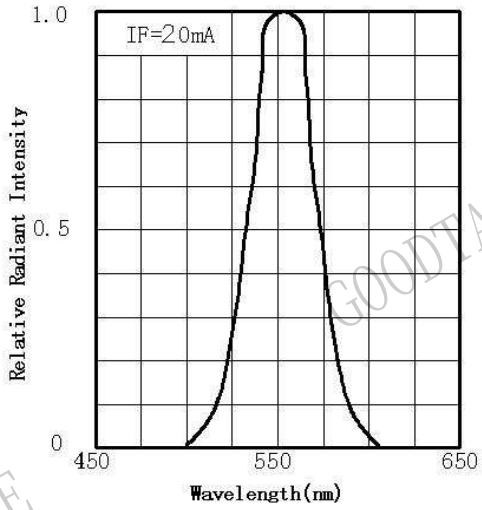


Fig.2 Spectral Distribution

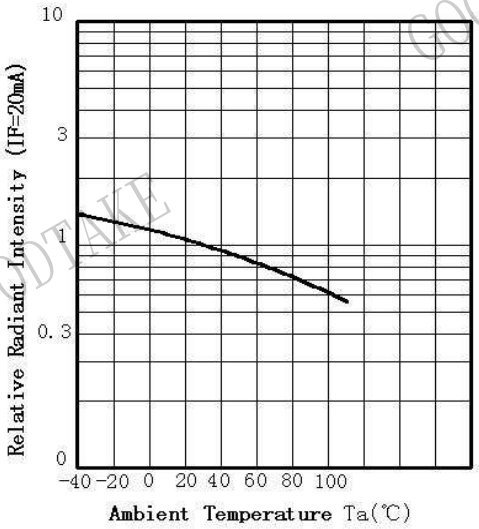


Fig.3 Ambient Radiant Intensity Vs Ambient Temperature

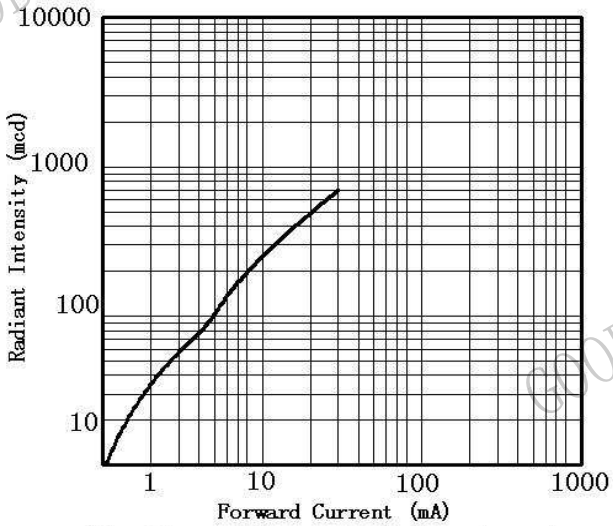


Fig.4 Forward Current Vs Radiant Intensity

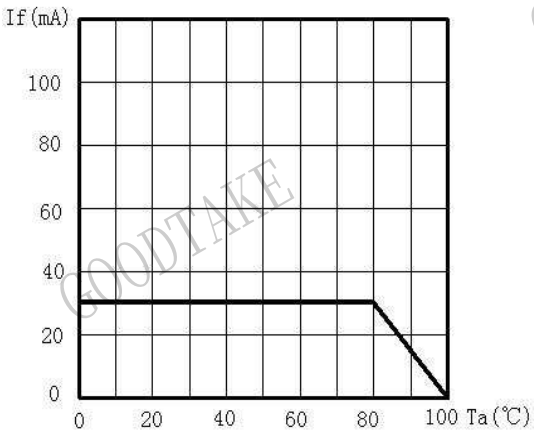


Fig.5 Maximum Forward Current Vs Ambient Temperature

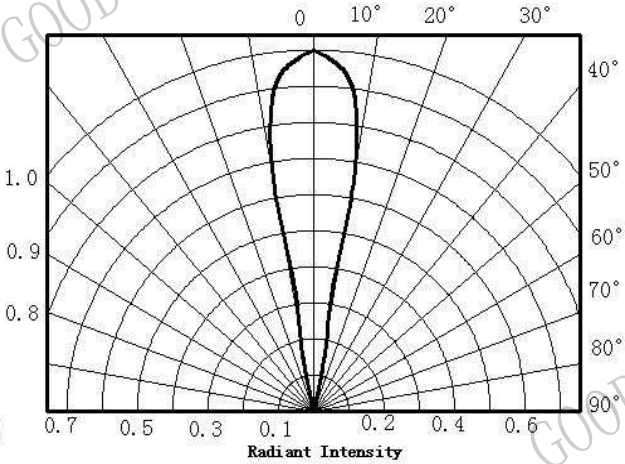


Fig.6 Angle Vs Radiant Intensity