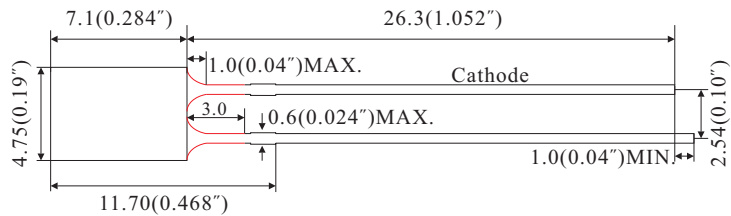
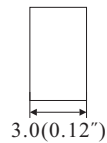




## PACKAGE DIMENSION

### TY-521UY1D130-65



### Selection Guide

Part No.	Dice		Lens Color	(If=20mA)	Viewing Angle
	Raw Material	Emitted Color		TYP. (Mcd)	
TY-521UY1D130-65	AlGaInP	Ultra Bright Yellow	Yellow Diffused	65	130°

### Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	Maximum Rating	Units
Power Dissipation	PD	75	mW
Peak Forward Current <sup>4</sup>	IFP	150	mA
Forward Current	IF	30	mA
Reverse Voltage	VR	5	V
Capacitance	C	10	pF
Operating/Storage Temperature	TA/TSTG	-40°C to +85°C	
Lead Solder Temperature	TSOL	260°C for 3 Seconds	

### Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	TYP.	MAX.	Units	Test Condition
Peak Wavelength	λpeak	592	-	nm	IF=20mA
Dominant Wavelength	λD	586	-	nm	IF=20mA
Spectral Line Half-width	Δλ	20	-	nm	IF=20mA
Forward Voltage	VF	2.10	2.40	V	IF=20mA
Reverse Current	IR	-	10	uA	VR=5V

#### Notes:

1. All dimension are in millimeter (inches);
2. Tolerance is ±0.25mm(0.01") unless otherwise specified;
3. Not recommend to solder within 3mm from the resin;
4. 1/10 Duty Cycle, 0.1ms Pulse Width.