



TOYO LED ELECTRONICS LIMITED

Room 1610, Hong Kong Plaza, 188 Connaught Road West, Hong Kong.

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Fax : (852) 2517 1797
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P/N: TY-SF7625UAC1

5 mm Super Flux Series

SPECIFICATION FOR CUSTOMER APPROVAL

P/N: TY-SF7625UAC1

DATE : September 2, 2013

PREPARED BY : Yanguoliang

CONFIRMED BY :

PLEASE CONFIRM & SIGN BACK THIS SHEET TO US

CUSTOMER: _____
(COMPANY CHOP)

APPROVAL BY: _____
(SIGNATURE)



TOYO LED ELECTRONICS LIMITED

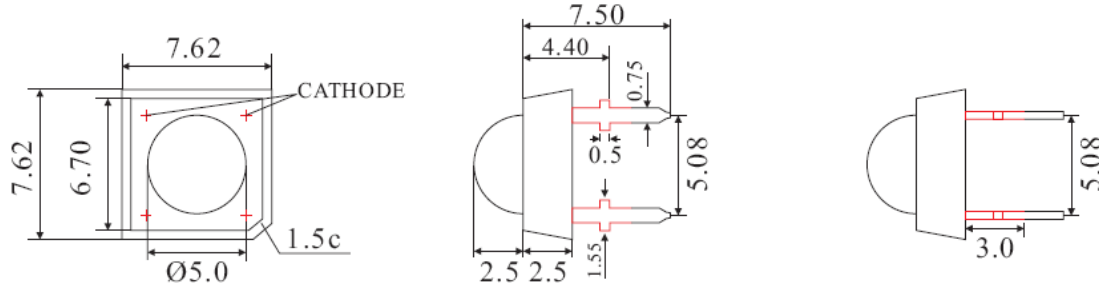
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PACKAGE DIMENSION



Selection Guide

Part No.	Dice		Lens Color	Iv(mcd)(IF=20mA)			Viewing Angle (20½)
	Raw Material	Emitted Color		MIN	TYP	MAX	
TY-SF7625UAC1	AlGaInP	Amber	Water Clear	900	1200		80 °

Absolute Maximum Ratings(Ta=25C °)

Item	Symbol	Maximum	Unit
Power Dissipation	PD	75	mW
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	IFP	90	mA
Continuous Forward Current	IFmax	30	mA
Reverse Voltage	VR	5	V
Operating Temperature Range	Topr	-20 °C to +75 °C	
Storage Temperature Range	Tstg	-30 °C to +80 °C	
Lead Solder Temperature	Tsol	260 °C for 5 seconds (3mm from the base of epoxy)	

Electrical / Optical Characteristics(Ta=25C °)

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Forward Voltage	VF	1.8	2.1	2.4	V	IF=20mA
Dominant Wavelength	λd	600	605	610	nm	IF=20mA
Peak Wavelength	λp	---	610	---	nm	IF=20mA
Reverse Current	IR	---	---	10	uA	VR=5V

NOTES:

- All dimensions are in millimeter(inch);
- Tolerance is ±0.25mm(0.01") especially other specified; Luminous intensity tolerance is ±10%;
- Dominant Emission Wavelength tolerance is ±5%; Specifications are subject to change without notice.



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TYPICAL ELECTRO-OPTICAL CHARACTERISTIC CURVE

FIG. 1 Forward Current Vs. Forward Voltage

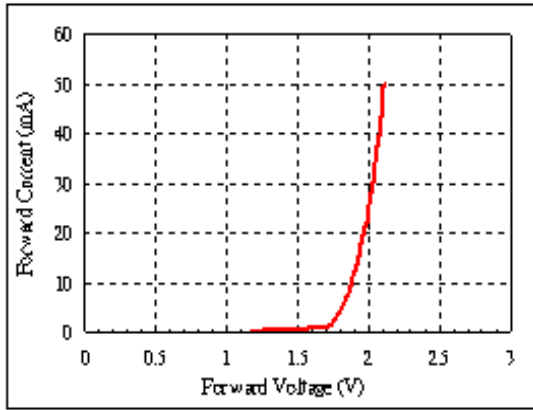


FIG. 2 Relative Intensity Vs. Forward Current

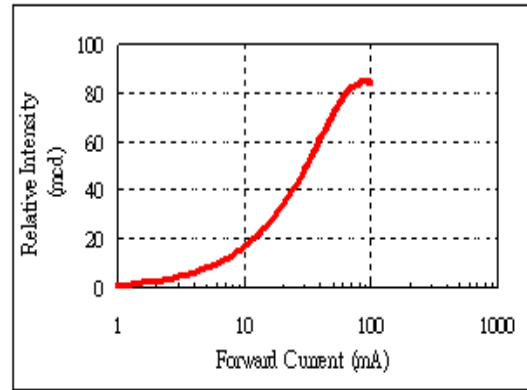


FIG. 3 Forward Voltage Vs. Temperature

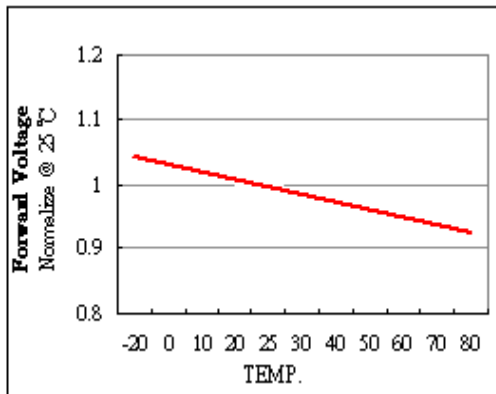


FIG. 4 Relative Intensity Vs. Temperature

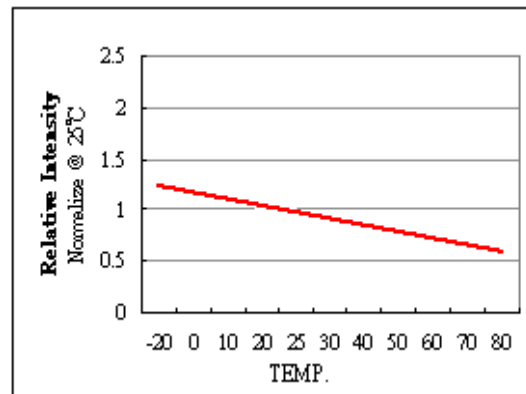
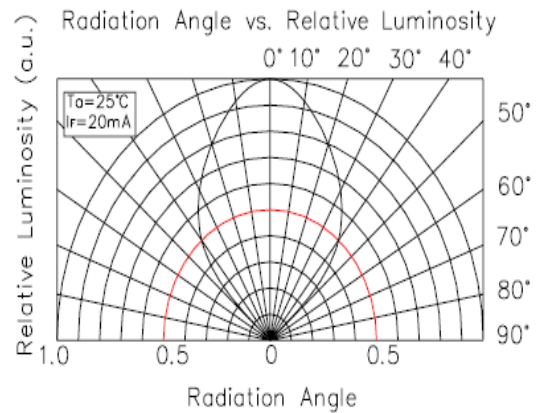
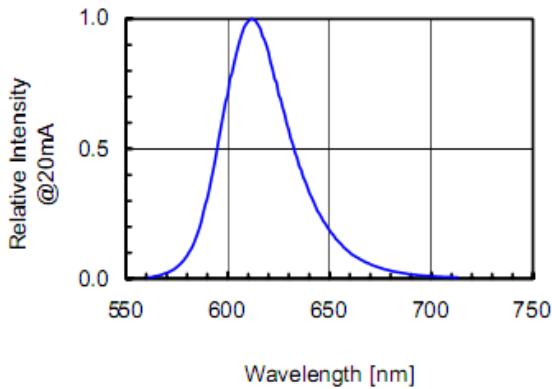


FIG. 5 Relative Intensity Vs. Wavelength





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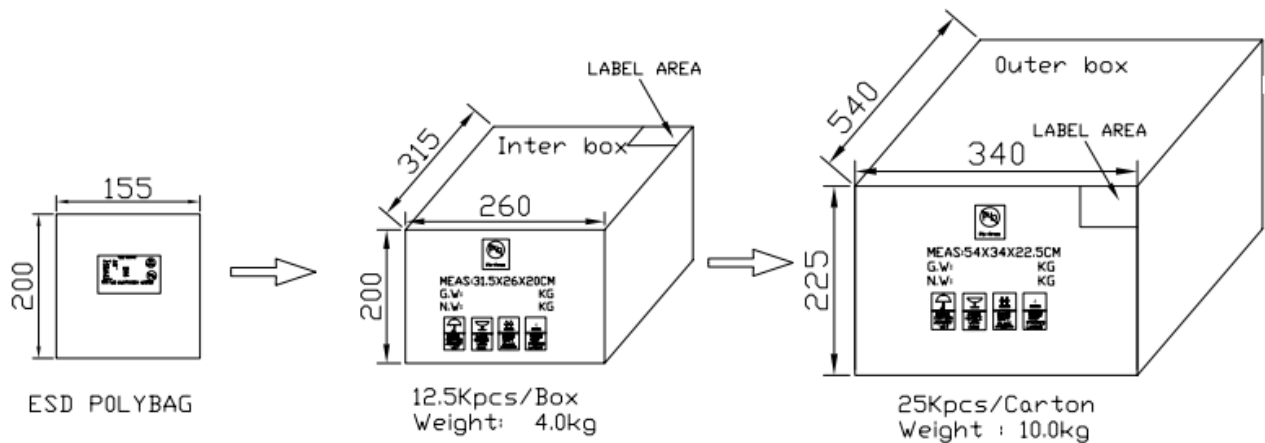
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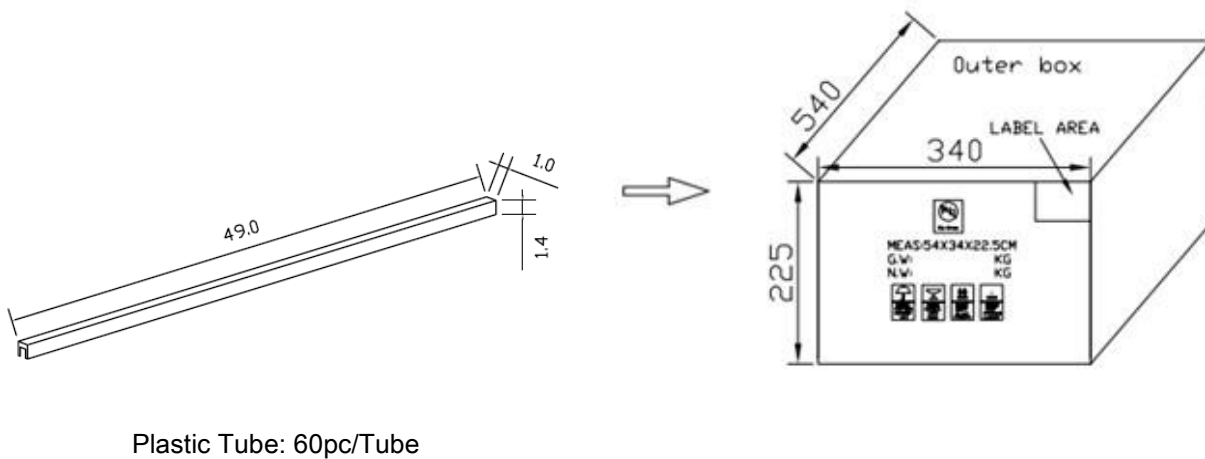
PACKING DIMENSIONS



Bulks Packing



Tube Packing



Notes:

1. All dimension are in millimeter (inches);
2. Tolerance is $\pm 0.25\text{mm}(0.01\text{'})$ unless otherwise specified.