



TOYO LED ELECTRONICS LIMITED

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

Tel: (852) 2540 7288

Fax: (852) 2517 1797

<http://www.toyo-led.com>

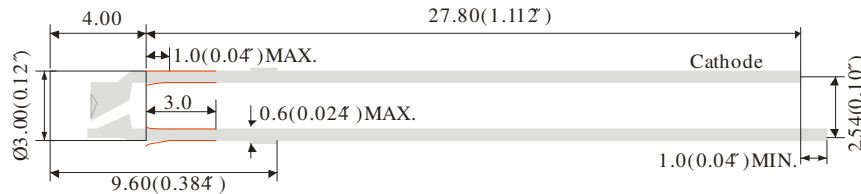
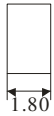
email: sales@toyo-led.com



P/N: TY-323UR3W130-200

3x1.8x4mm Rectangular LEDs Series

PACKAGE DIMENSION



Selection Guide

Part No.	Dice		Lens Color	(If=20mA)	Viewing Angle (2θ ^{1/2})
	Raw Material	Emitted Color		TYP.(mcd)	
TY-323UR3W130-200	AlGaInP	Red	Water Clear	150	135°

Absolute Maximum Ratings(Ta=25C°)

Item	Symbol	Maximum	Unit
Power Dissipation	P _D	75	mW
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	90	mA
Continuous Forward Current	I _{Fmax}	30	mA
Reverse Voltage	V _R	5	V
Capacitance	C	95	pF
Operating / Storage Temperature Range	Topr / Tstg	-40°C to +85°C	
Lead Solder Temperature	Tsol	260°C for 3 seconds	

Electrical / Optical Characteristics(Ta=25C°)

Item	Symbol	Min.	Typ.	Max.	Unit	Condition
Peak Wavelength	λ _p	-	630	-	nm	I _F =20mA
Dominant Wavelength	λ _d	619	624	629	nm	I _F =20mA
Spectral Line Coordinates	Δλ	-	20	-		I _F =20mA
Forward Voltage	V _F	-	2.10	2.50	V	I _F =20mA
Reverse Current	I _R	-	-	10	uA	V _R =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.



P/N: TY-323UR3W130-200

3x1.8x4mm Rectangular LEDs Series

■ Typical Electro-Optical Characteristic Curve:

FIG. 1 Forward Current Vs. Forward Voltage

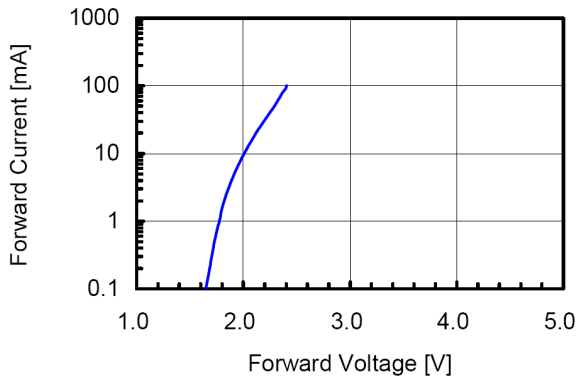


FIG. 2 Relative Intensity Vs. Forward Current

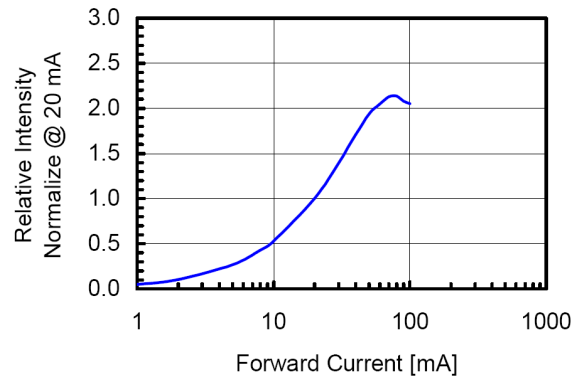


FIG. 3 Forward Voltage Vs. Temperature

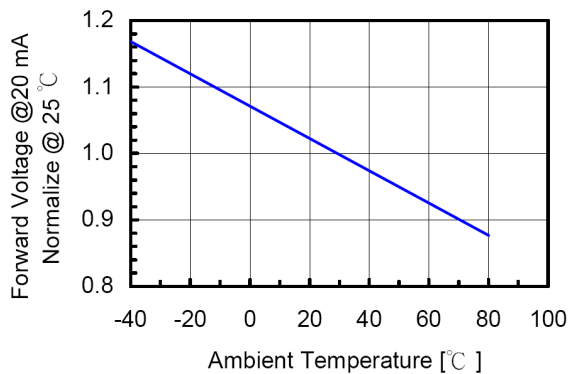


FIG. 4 Relative Intensity Vs. Temperature

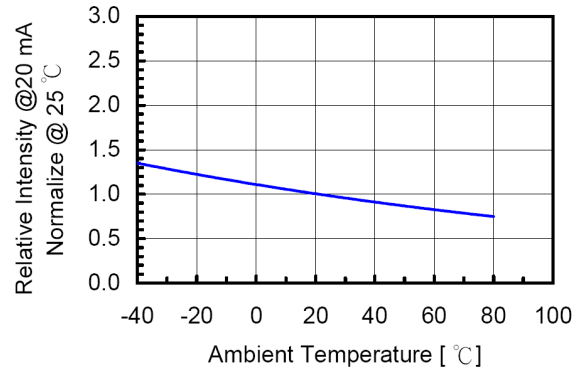


FIG. 5 Relative Intensity Vs. Wavelength

