



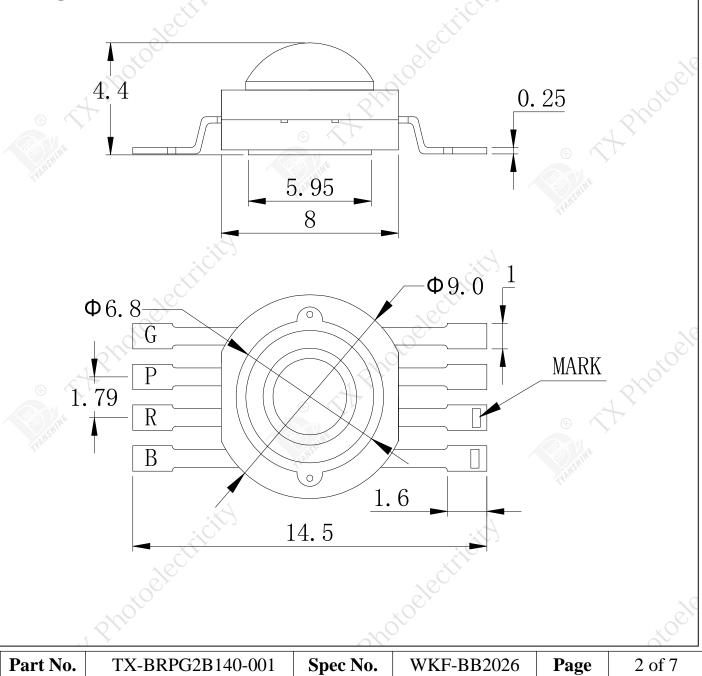
Features:

- Excellent Transiting Heat from LED Chip Operating under 500mA
- ♦ High Luminous Output
- No UV

Typical purpose:

- Portable Flashlight
- Garden lighting
- ♦ General Lighting

Package Dimensions:





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Notes:

1. Thermoelectric integrated Red chip packaged in this product.

2.All dimensions are in millimeters (inches).

3. Tolerance is ± 0.25 mm (0.01") unless otherwise noted.

A Y		,	\sim						
Part NO.		Chip M	Iaterial			Lens Color	Source Color		
TX-BRPG2B140-001	Blue	Red	Purple	Gree	en	Water Clear	Blue & True Rec &Purple & Green		
	GaInN	AlGaInP	GaInN	GaIn	N	Water Crear			
Absolute Maximum R	atings at	: Ta=25℃							
Parameter			Symbo	1	MAX.		Unit		
LED Junction Temperature			Tj	- C	150			°C	
X0°			I	3)	1800		N	
Power Dissipation		P _n R		1300		mW			
		P _D)		1800 1800				
				ũ					
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)		I _{FP}			1000		mA		
Continuous Forward Current		IF			500		mA		
Reverse Voltage		V _R			5		V		
ElectrostaticDischarge Threshoid (ESD)		ESD		2	2000		V		
Operating Temperature Range		T _{opr}		-40 to +70		°C			
Storage Tempera	e Temperature Range		T _{spr}			-40 to +100			
	-								

Notes:

- 1. Specifications are subject to change without notice.
- 2. Under the stipulated Characteristics parameters above, the life span of the LED is more than 50,000hours.
- 3. The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 4. Precautions for ESD:

STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

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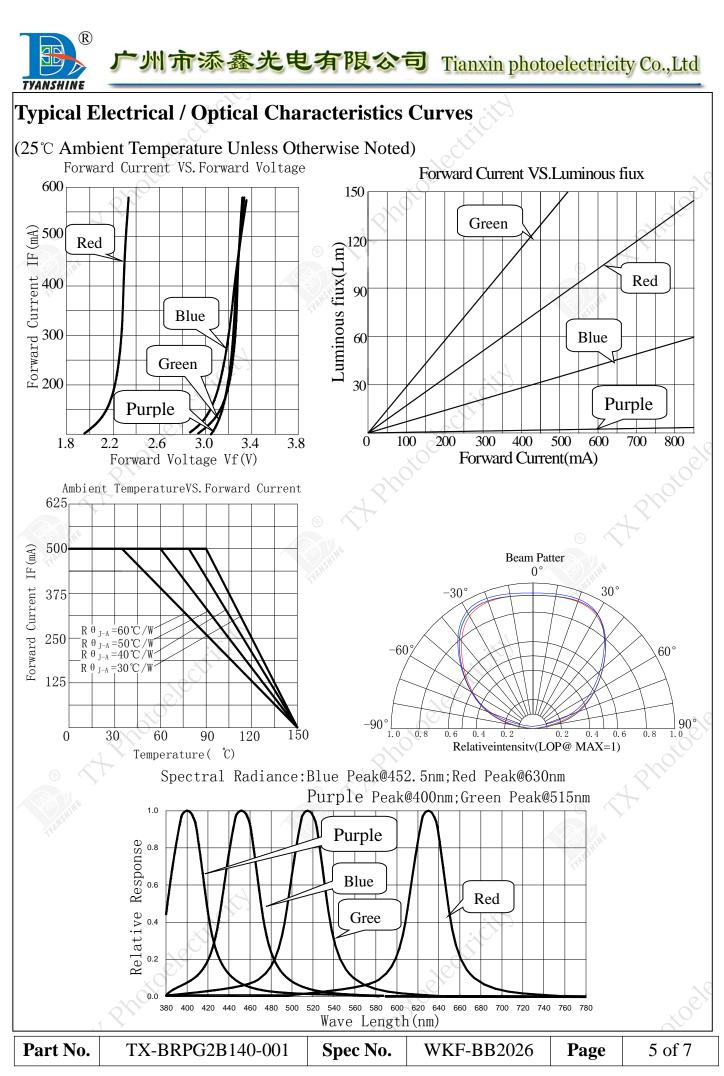
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Characteristics at If=500mA , Vr=5	V (Ta=2	5°C)	2	B			
Parameter	Symbol	Emitting	Values			Units	
Parameter	Symbol	Color	Min.	Тур.	Max.		
a dive		В	25	35			
Luminous Flux	φ _v	R	70	85		lm	
		P	1	2			
		G	115	145		$\mathbf{X}^{\mathbf{Y}}$	
(S) mut	2	В		140	6		
Viewing Angle at 50% IV	$2\theta_{1/2}$	R		140	Rect 1	Πρα	
Viewing Angle at 50 % IV	201/2	Р		140	S MINT	Deg	
		G		140	LAW.		
E.		В	450	452.5	455		
Peak Emission Wavelength	λp	R	625	630	635	- nm	
Teak Emission Wavelength	μ νρ	Р	395	400	405		
		G	510	515	520		
× O ^E *		В	458	461	464	nm	
Dominant Wavelength	λd	R	620	625	630		
Dominant Wavelength	764	P	380	390	400		
		G	522	525	528	K	
	\odot	B	15	20	25	, Y	
Spectral Line Half-Width	Δλ	R	15	20	©25		
YANG P TO THE STORE	NSHIN	Р	15	20	25		
	Edu.	G	25	30	35		
	V _f	В	3.0	3.3	3.6	-	
Forward Voltage		R	2.0	2.3	2.6	V	
		P	3.0	3.3	3.6		
		G	3.0	3.3	3.6		
Reverse Current	IR	—	<u> </u>	—	10	μA	
Thermal Resistance Junction to Case	R _{θ_{J-C}}		<u>}</u>	15		K/W	
Temperature Coefficient of Forward Voltage	V△F/T	1 2 thore		-2		mV/°C	

Notes:

- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $2.\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity
- 3. The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.
- 4. Flux is measured with an accuracy of $\pm 15\%$.
- 5. Forward voltage is measured with an accuracy of ± 0.15 V.

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PRECAUTION IN USE

Storage

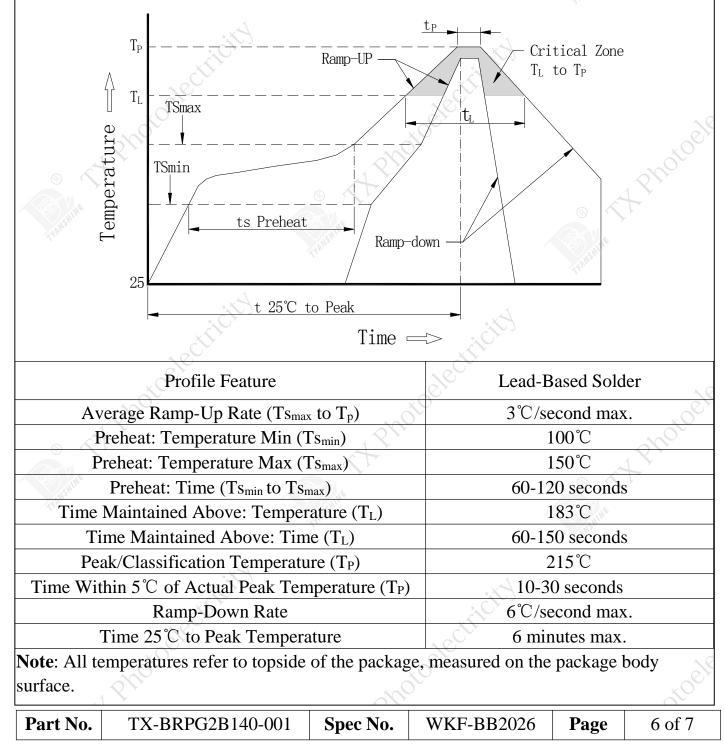
Recommended storage environment

Temperature: 5° C ~ 30° C (41oF ~ 86oF)

Humidity: 60% RH Max.

Soldering

Use the conditions shown to the under figure.





Dimensions f	or Cannu	lation and	l Packaging
			0 0



Quantity: 40PCS

8.0±1.0 9.8 9.8 3.5

Notes:

17.4

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ± 2.0 mm (0.08") unless otherwise noted.
- 3. The products are packaged together with silica gel, Transport, not to the weight of welding LED light-emitting area, As a result of the weight of LED light-emitting zone in the quality of, Irresponsible of the Company.

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