

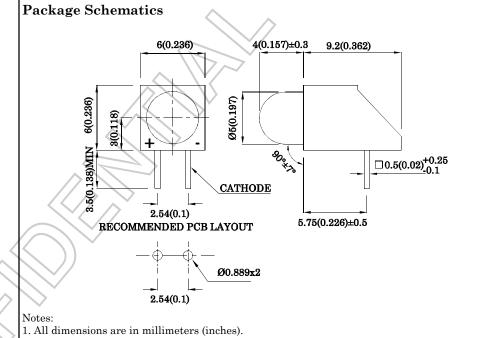
Part Number: XVB1C50D-WS23TB2

T-1 3/4 (5mm) RIGHT ANGLE LED INDICATOR

Features

- Housing material: Type 66 Nylon
- Black casing provides superior contrast
- Housing UL rating: 94V-0
- \bullet Reliable & robust
- Low current IF=2mA operating.
- RoHS Compliant





2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

3. Specifications are subject to change without notice.

Absolute Maximum Ratings (T _A =25°C)		MR (GaAlAs)	Unit				
Reverse Voltage	VR	5	V				
Forward Current	$I_{\rm F}$	30	mA				
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	ifs	155	mA				
Power Dissipation	PD	75	mW				
Operating Temperature	$T_{\rm A}$	$-40 \sim +85$	°C				
Storage Temperature	Tstg	-40 ~ +85					
Lead Solder Temperature [2mm Below Package Base]		260°C For 3 Seconds					
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds						

Operating Characteristics (T _A =25°C)		MR (GaAlAs)	Unit
Forward Voltage (Typ.) (I _F =2mA)	V_{F}	1.65	V
Forward Voltage (Max.) (I _F =2mA)	V_{F}	2.5	V
Reverse Current (Max.) (V _R =5V)	IR	10	uA
Wavelength of Peak Emission CIE127-2007*(Typ.) (I _F =2mA)	λP	655*	nm
Wavelength of Dominant Emission CIE127-2007*(Typ.) (I _F =2mA)	λD	640*	nm
Spectral Line Full Width At Half-Maximum (Typ.) (I _F =2mA)	$ riangle \lambda$	20	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	С	45	pF

Part Number	Emitting Color	Emitting Material Lens-color	Luminous Intensity CIE127-2007* (I _F =2mA) mcd	Wavelength CIE127-2007* nm λP	Viewing Angle 20 1/2
			min. typ.		
XVB1C50D-WS23TB2	Red	GaAlAs Red Diffused	20 49 6* 14*	655*	60°

*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

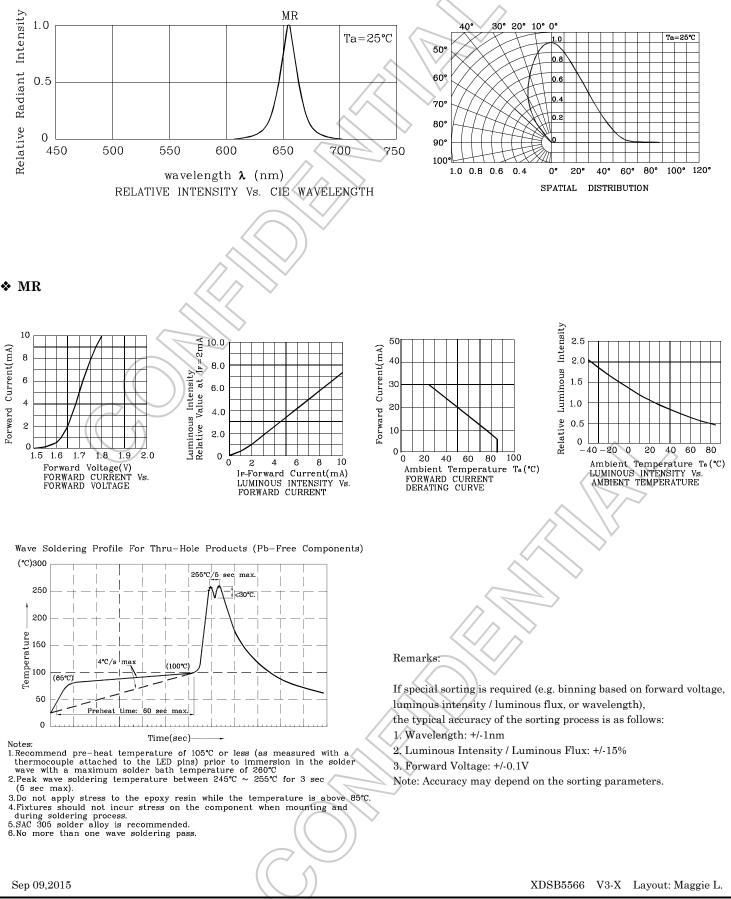
Sep 09,2015

XDSB5566 V3-X Layout: Maggie L.



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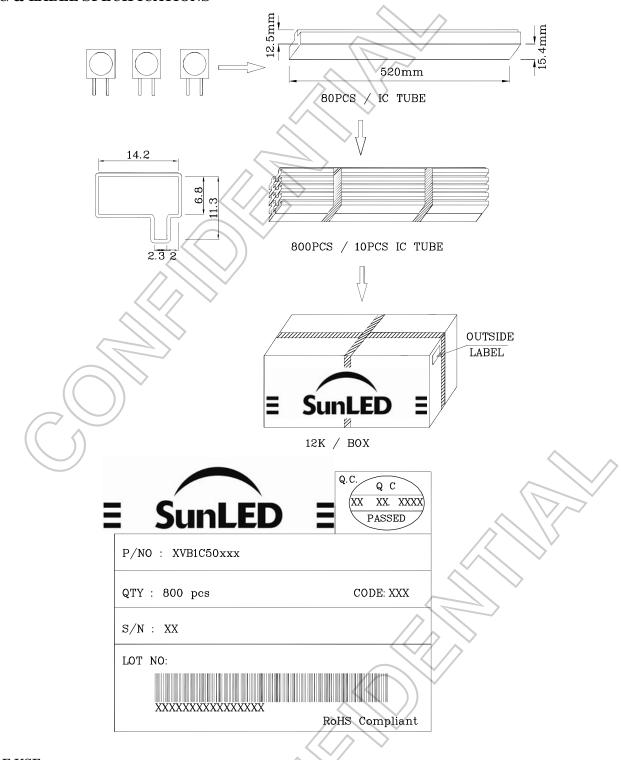




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PACKING & LABEL SPECIFICATIONS



TERMS OF USE

- 1. Data presented in this document reflect statistical figures and should be treated as technical reference only.
- 2. Contents within this document are subject to improvement and enhancement changes without notice.
- 3. The product(s) in this document are designed to be operated within the electrical and environmental specifications indicated on the datasheet. User accepts full risk and responsibility when operating the product(s) beyond their intended specifications.
- 4. The product(s) described in this document are intended for electronic applications in which a person's life is not reliant upon the LED. Please
- consult with a SunLED representative for special applications where the LED may have a direct impact on a person's life.
- 5. The contents within this document may not be altered without prior consent by SunLED.
- $6. \ Additional \ technical \ notes \ are \ available \ at \ \underline{http://www.SunLEDusa.com/TechnicalNotes.asp}$

Sep 09,2015

XDSB5566 V3-X Layout: Maggie L.