

Part Number: XZMDK105W

3.0x2.0mm SURFACE MOUNT LED LAMP

## PRELIMINARY SPEC

## Features

- 3.0mm x 2.0mm, 1.3mm high, only minimum space required.
- $\bullet\,$  Suitable for compact optoelectronic applications.
- $\bullet\,$  Low power consumption.
- Package : 2000pcs / reel.
- $\bullet\,$  Moisture sensitivity level : level 4.
- RoHS compliant.

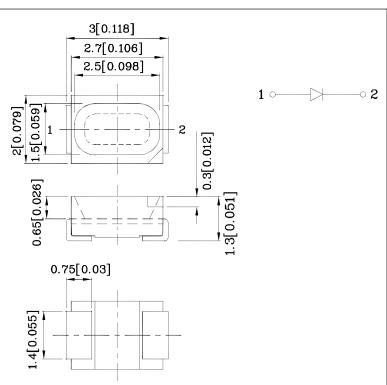


## Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is  $\pm 0.2 (0.008")$  unless otherwise noted.

3. Specifications are subject to change without notice.

Absolute Maximum Ratings (TA=25°C)	MDK (AlGaInP)	Unit	
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	185	mA
Power Dissipation	PD	75	mW
Operating Temperature	ТА	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	C



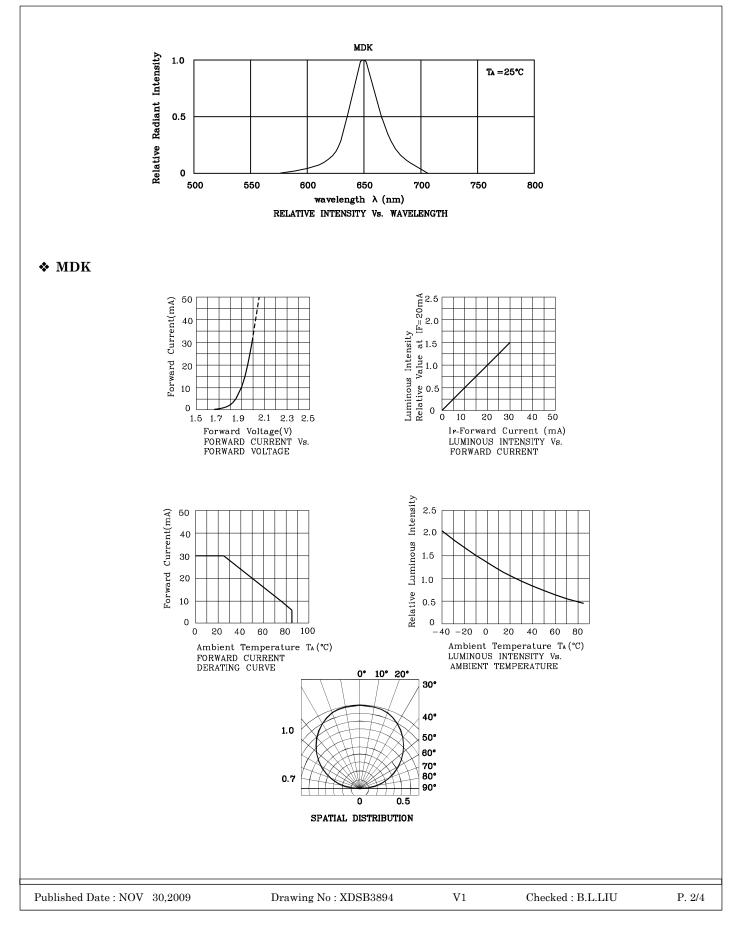
Operating Characteristic (TA=25°C)	MDK (AlGaInP)	Unit	
Forward Voltage (Typ.) (IF=20mA)	VF	1.95	V
Forward Voltage (Max.) (IF=20mA)	VF	2.5	V
Reverse Current (Max.) (VR=5V)	IR	10	uA
Wavelength of Peak Emis- sion (Typ.) (IF=20mA)	λΡ	650	nm
Wavelength of Dominant Emission (Typ.) (IF=20mA)	λD	630	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	Δλ	28	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	С	35	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Wavelength nm λ P	Viewing Angle 2 0 1/2
				min.	typ.		
XZMDK105W	Red	AlGaInP	Water Clear	70	198	650	125°
Published Date : NO	V 30,2009	Drawin	g No : XDSB3894	V1	Chec	ked : B.L.LIU	P. 1/4



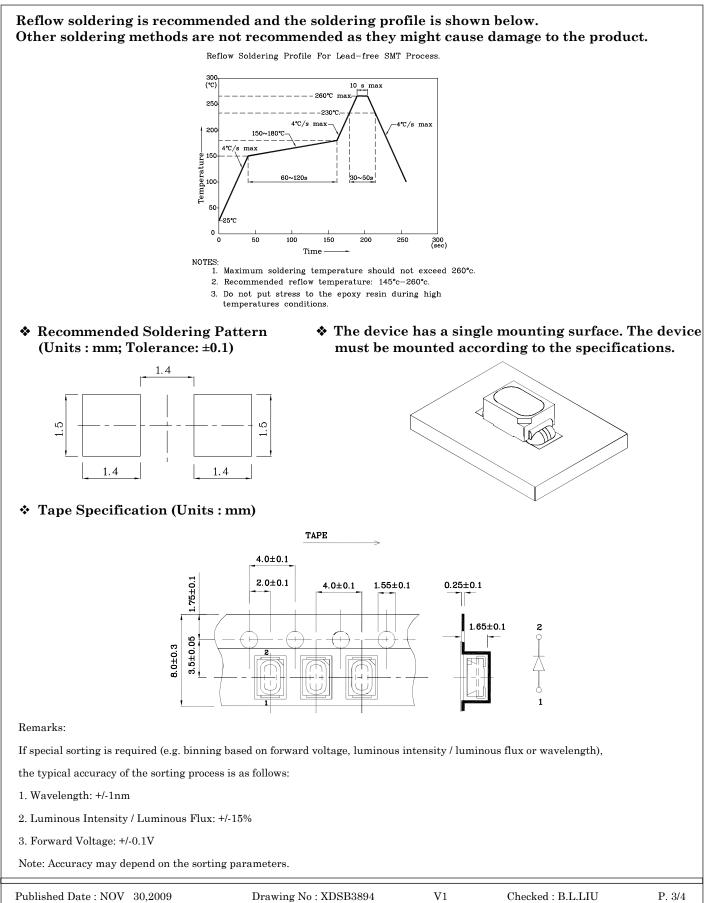
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