

## PRELIMINARY SPEC

## Features

- 1.6mmx0.8mm SMT LED, 0.75mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Various colors and lens types available.
- $\bullet$  Moisture sensitivity level : level 3.
- •Package: 2000pcs / reel .
- •RoHS compliant.



## Notes:

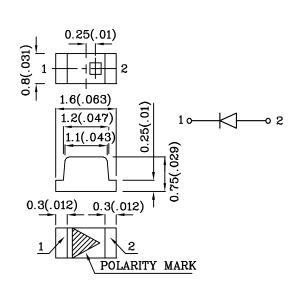
1. All dimensions are in millimeters (inches).

2. Tolerance is  $\pm$  0.1(0.004") unless otherwise noted.

3.Specifications are subject to change without notice.

Absolute Maximum Rating (TA=25°C)	M2ACR (AlInGaP)	Unit			
Reverse Voltage	VR	5	V		
Forward Current	IF	30	mA		
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	150	mA		
Power Dissipation	Рт	84	mW		
Operating Temperature	ТА	$-40 \sim +85$	°C		
Storage Temperature	Tstg	$-40 \sim +85$	-0		

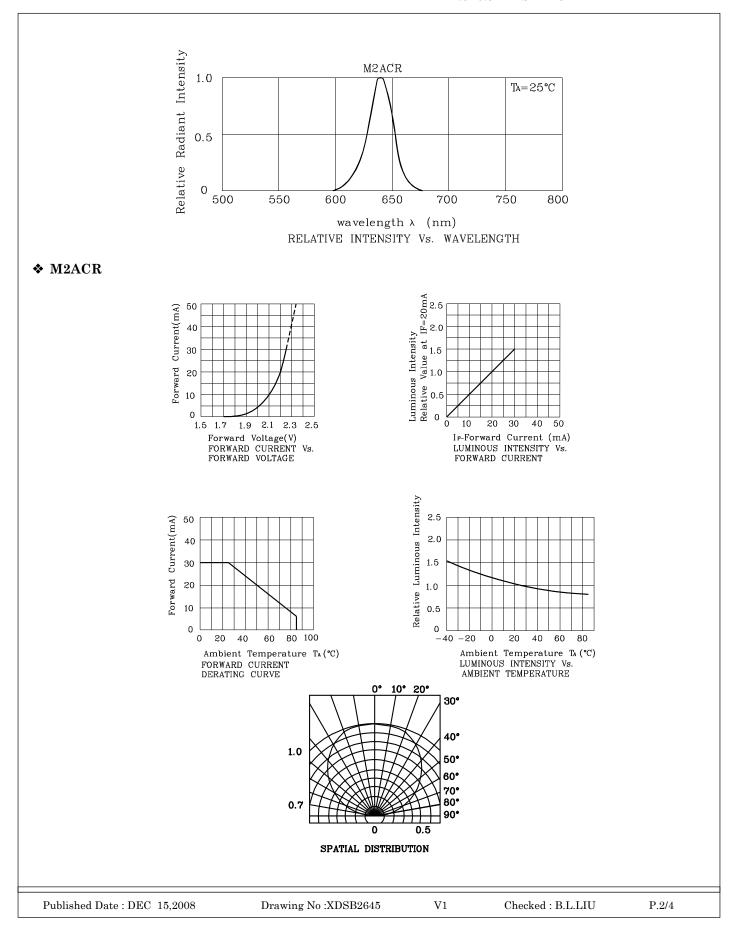
Part Number:XZM2ACR53W-11.6X0.8mm SMDCHIP LED LAMP



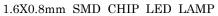
Operating Characteristi (TA=25°C)	M2ACR (AlInGaP)	Unit	
Forward Voltage (Typ.) (IF=20mA)	VF	2.2	V
Forward Voltage (Max.) (IF=20mA)	VF	2.8	V
Reverse Current (Max.) (VR=5V)	Ir	10	uA
Wavelength of Peak Emission (Typ.) (IF=20mA)	λΡ	640	nm
Wavelength of Dominant Emission (Typ.) (IF=20mA)	λD	630	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	Δλ	25	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	С	27	pF

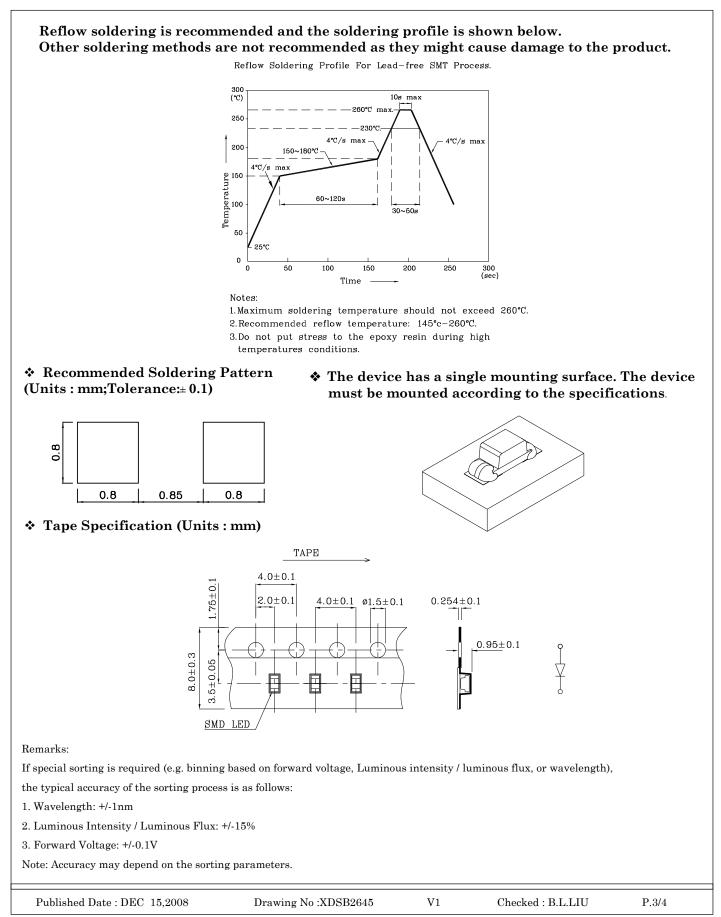
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Wavelength nm λ P	Viewing Angle 2 0 1/2
				min.	typ.		
XZM2ACR53W-1	Red	AlInGaP	Water Clear	650	995	640	120 °
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1.6X0.8mm SMD CHIP LED LAMP

