

 $3.5 \mathrm{x} 2.8 \ \mathrm{mm}$ PLCC2 SMD LED

PRELIMINARY SPEC

Features

- Single color.
- Suitable for all SMT assembly and solder process.
- Available on tape and reel.
- Ideal for backlighting.
- Package : 1500pcs / reel.
- Moisture sensitivity level : level 4.
- RoHS compliant.



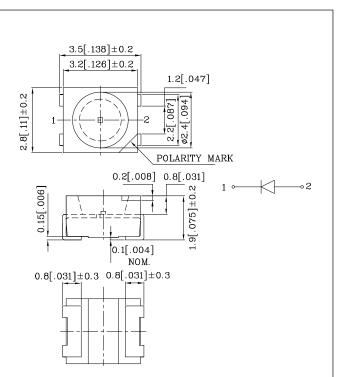
Notes:

1. All dimensions are in millimeters (inches).

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

3. Specifications are subject to change without notice.

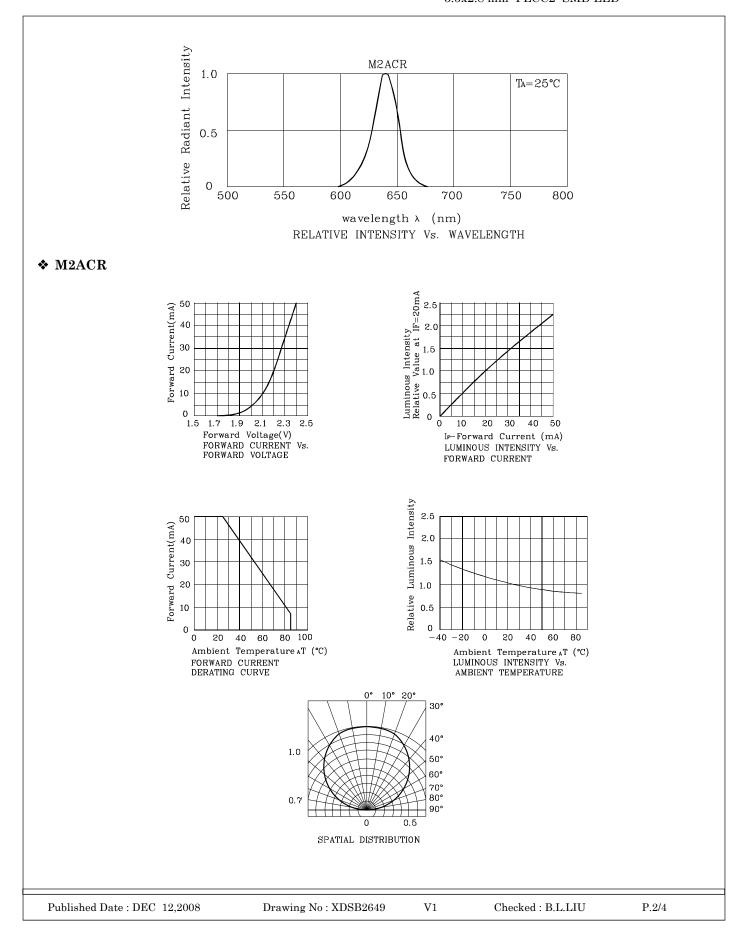
Absolute Maximum Rating (TA=25°C)	M2ACR (AlInGaP)	Unit		
Reverse Voltage	VR	5	V	
Forward Current	IF	50	mA	
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	150	mA	
Power Dissipation	Рт	140	mW	
Operating Temperature	ТА	$-40 \sim +85$	°C	
Storage Temperature	Tstg	$-40 \sim +85$	C	



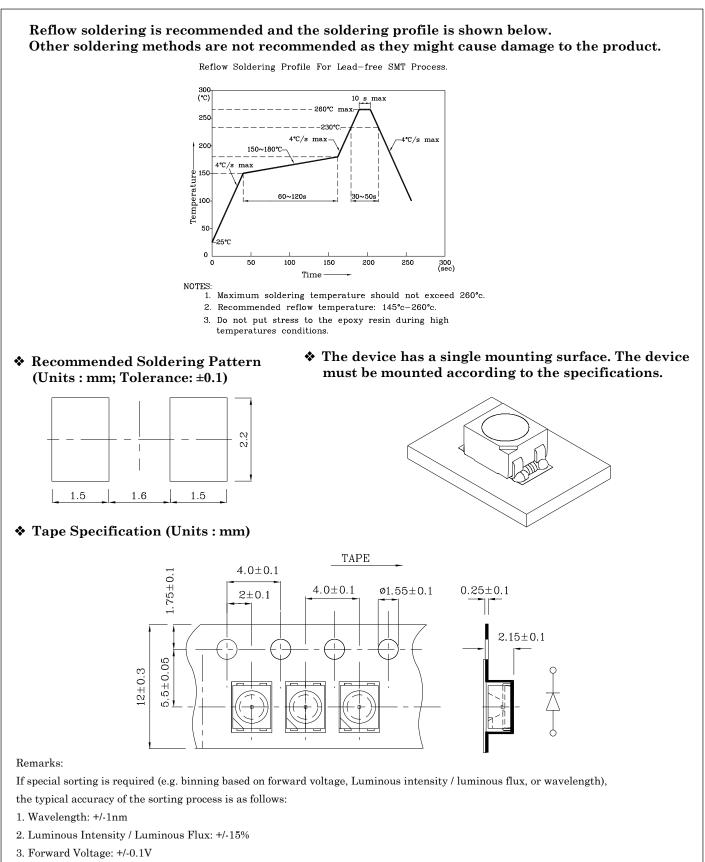
Operating Characteristic (TA=25°C)	M2ACR (AlInGaP)	Unit	
Forward Voltage (Typ.) (IF=20mA)	VF	2.2	V
Forward Voltage (Max.) (IF=20mA)	VF	2.8	V
Reverse Current (Max.) (VR=5V)	Ir	10	uA
Wavelength of Peak Emission (Typ.) (IF=20mA)	λΡ	640	nm
Wavelength of Dominant Emission (Typ.) (IF=20mA)	λD	630	nm
Spectral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

Part Number	Emitting Color	Emitting Material	Lens-color	Inte (IF=2	Luminous Intensity (IF=20mA) mcd		Viewing Angle 2 0 1/2
				min.	typ.		
XZM2ACR45FW	Red	AlInGaP	Water Clear	650	1495	640	120°
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Note: Accuracy may depend on the sorting parameters.

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49 V1



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