

3.0x2.0mm SURFACE MOUNT LED LAMP

PRELIMINARY SPEC

Features

- 3.0mm x 2.0mm, 1.4mm high, only minimum space required.
- Suitable for compact optoelectronic applications.
- Low power consumption.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 4.
- RoHS compliant.



3[.118] 2.7[.106] POLARITY MARK 2[.079] .055 079 -2 1 4 . 2 0.8 .031 4[.055] -∞ 2 1 0.15[.006] 0.1[.004] NOM 0.6[.024] 0.6[.024] .024] 1.6[.063] 0.6[. 0.45[.018] 0.45[.018]

Notes:

1. All dimensions are in millimeters (inches).

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

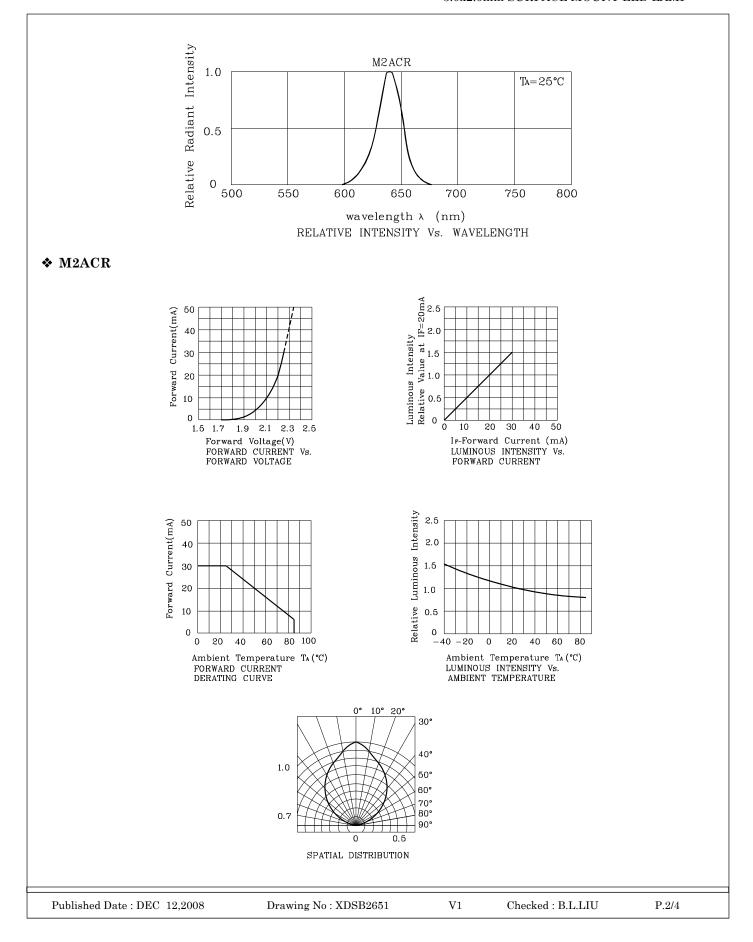
3. Specifications are subject to change without notice.

Absolute Maximum Ratings (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

Operating Characteristics (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)	· · · · · · · · · · · · · · · · · · ·		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

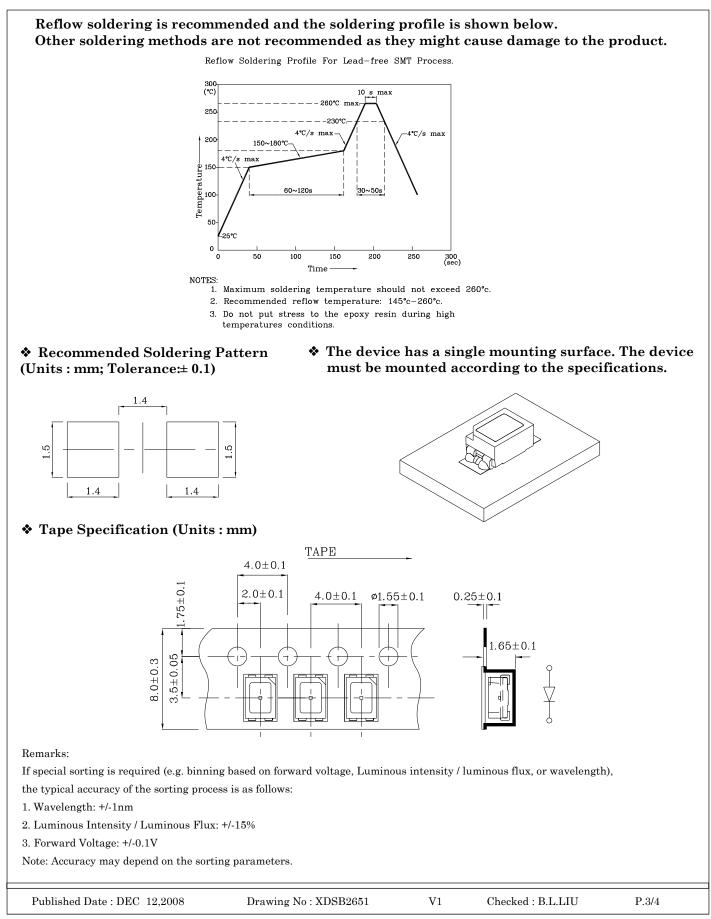
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Viewing Angle 2 0 1/2
				min.	typ.	
XZM2ACR50FW	Red	AlInGaP	Water Clear	650	1495	90°
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