

# Part Number: XZM2ACR77W

4.5x2mm SMD CHIP LED LAMP

### PRELIMINARY SPEC

#### Features

- 4.5x2mm SMT LED,0.5mm thickness
- Low power consumption.
- Ideal for back light and indicator.
- Various colors and lens types available.
- Package : 1000pcs/reel.
- Moisture sensitivity level : level 3.
- $\bullet$  RoHS compliant.

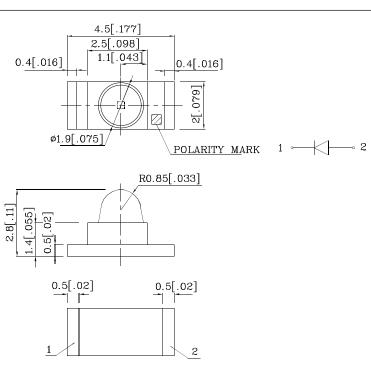


#### Notes:

- 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.

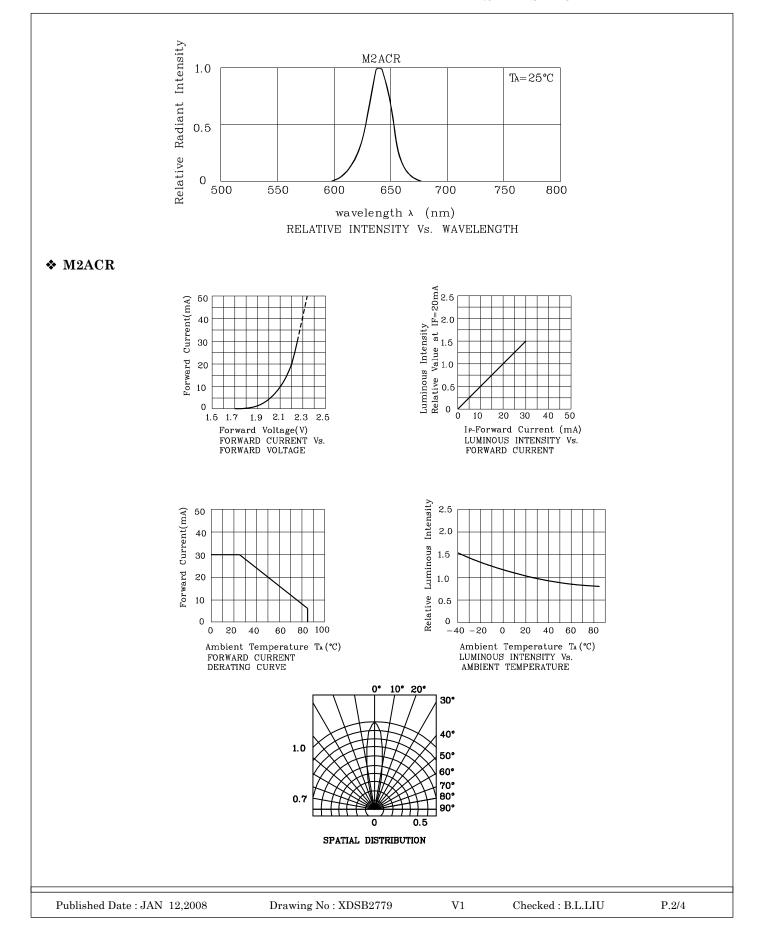
Absolute Maximum Rating (TA=25°C)	M2ACR (AlInGaP)	Unit	
Reverse Voltage	VR	5	V
Forward Current	IF	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	150	mA
Power Dissipation	Рт	84	mW
Operating Temperature	ТА	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	U



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	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Inter (IF=2	inous nsity 0mA) cd	Wavelength nm λ P	Viewing Angle 2 0 1/2
				min.	typ.		
XZM2ACR77W	Red	AlInGaP	Water Clear	3300	5290	640	20 °
Published Date :	JAN 12,2008	Drawing	; No : XDSB2779	V1	Checked	l : B.L.LIU	P.1/4







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