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## PRELIMINARY SPEC

## **Features**

• 3.0mm x 2.0mm, 1.3mm high, only minimum space required.

- Suitable for compact optoelectronic applications.
- Low power consumption.
- Package : 2000pcs / reel.
- Moisture sensitivity level : level 4.
- RoHS compliant.

Notes:

(TA=25°C)

Reverse Voltage

Forward Current

0.1ms Pulse Width

Power Dissipation

Forward Current (Peak) 1/10 Duty Cycle

**Operating Temperature** 

Storage Temperature



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** 

ELECTROSTATIC DISCHARGE DEVICES

VR

 $\mathbf{IF}$ 

ifs

 $P_{D}$ 

 $\mathbf{T}\mathbf{A}$ 

Tstg

M2CB

(InGaN)

 $\mathbf{5}$ 

30

150

120

-40 ~ +85

 $-40 \sim +85$ 

Unit

V

mА

mА

mW

°C

## 1 ~ 1.5[0.059] 1 2 0.3[0.012] 0.65[0.026] .3[0.051] 0.75[0.03] .4[0.055]

3[0.118] 2.7[0.106]

2.5[0.098]

2[0.079]

Operating Characteristics (TA=25°C)		M2CB (InGaN)	Unit
Forward Voltage (Typ.) (IF=20mA)	VF	3.3	v
Forward Voltage (Max.) (IF=20mA)	VF	4.0	v
Reverse Current (Max.) (VR=5V)	IR	10	uA
Wavelength of Peak Emission (Typ.) (IF=20mA)	λΡ	461	nm
Wavelength of Dominant Emission (Typ.) (IF=20mA)	λD	465	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	Δλ	25	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	С	100	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminou Intensit (IF=20m mcd	y	Viewing Angle 2 0 1/2
				min.	typ.	
XZM2CB105W	Blue	InGaN	Water Clear	180	347	125°
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