

Part Number: XZDG53W-2 1.6X0.8mm SMD CHIP LED LAMP

PRELIMINARY SPEC

Features

- 1.6mmx0.8mm SMT LED, 0.65mm thickness.
- Low power consumption.
- Wide viewing angle.
- Ideal for backlight and indicator.
- Various colors and lens types available.
- Package: 2000pcs / reel .
- Moisture sensitivity level : level 3.
- RoHS compliant.



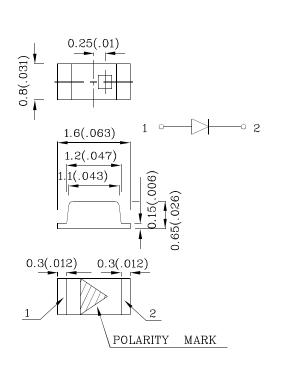
Notes:

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 Ratings (TA=25°C)		DG (InGaN)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	150	mA
Power Dissipation	Рт	102.5	mW
Operating Temperature	ТА	$-40 \sim +85$	°C
Storage Temperature	Tstg	$-40 \sim +85$	U



Operating Characteristic (TA=25°C)	DG (InGaN)	Unit	
Forward Voltage (Typ.) (IF=20mA)	VF	3.3	v
Forward Voltage (Max.) (IF=20mA)	VF	4.1	v
Reverse Current (Max.) (VR=5V)	Ir	10	uA
Wavelength of Peak Emission (Typ.) (IF=20mA)	λP	515	nm
Wavelength of Dominant Emission (Typ.) (IF=20mA)	λD	525	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	Δλ	30	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	С	45	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.		
XZDG53W-2	Green	InGaN	Water Clear	110	297	515	120°
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