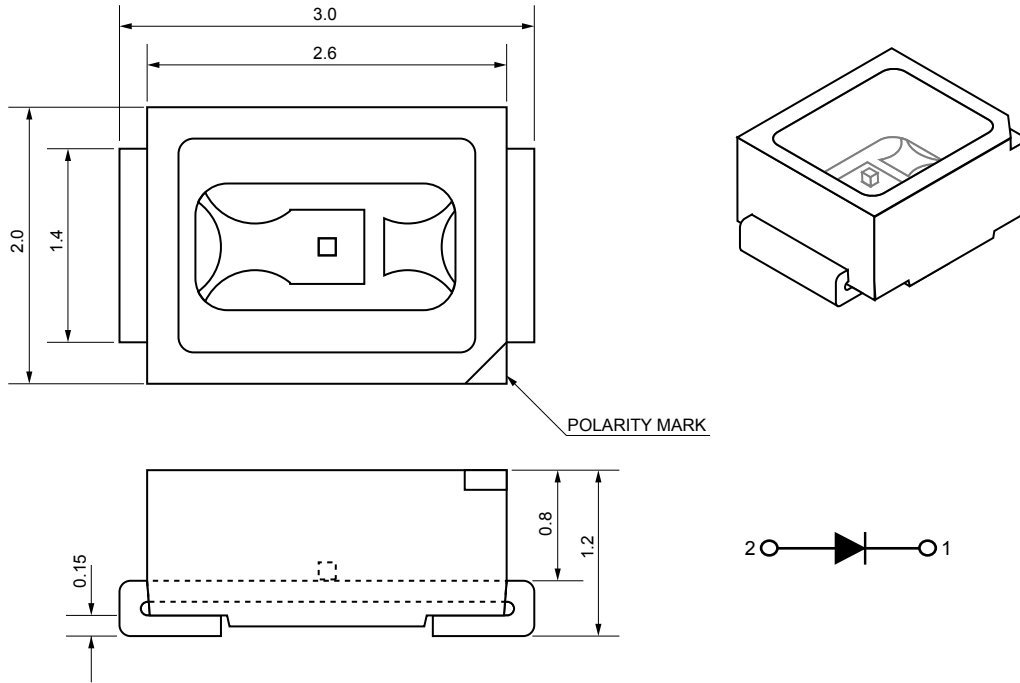


ST-313SBC

Package Dimensions



Dice	Blue (GaN)	Lens Type	Water Clear
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Absolute Maximum Rating at (Ta=25°C)

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	Pd	110	mW
Forward Current	If	30	mA
Peak Forward Current Per chip *	Ifp	160	mA
Operating Temperature Range	Topr	- 40 °C to + 85 °C	
Storage Temperature Range	Tstg	- 40 °C to + 85 °C	
Solder Temperature 1/16 Inch Below Seating Plane for 3 seconds at 260 °C			

* Condition for Ifp is pulse of 1/10 Duty Cycle, 0.1ms Pulse Width

Electrical/Optical Characteristics at Ta=25°C

Parameter	Symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	Vf	If=20mA	3.0	3.2		V
Reverse Current	Ir	Vr=5V			5	uA
Luminous Intensity	Iv	If=20mA	90	150		mcd
Spectrum With of Half Value	Δλ	If=20mA				nm
Wavelength	λd	If=20mA	464	468		nm
Viewing Angle	2Θ1/2			120		0°

NOTES: 1. All dimensions are in millimeter (inches), tolerance is 0.25 unless otherwise noted.
2. Specifications are subject to change without notice.