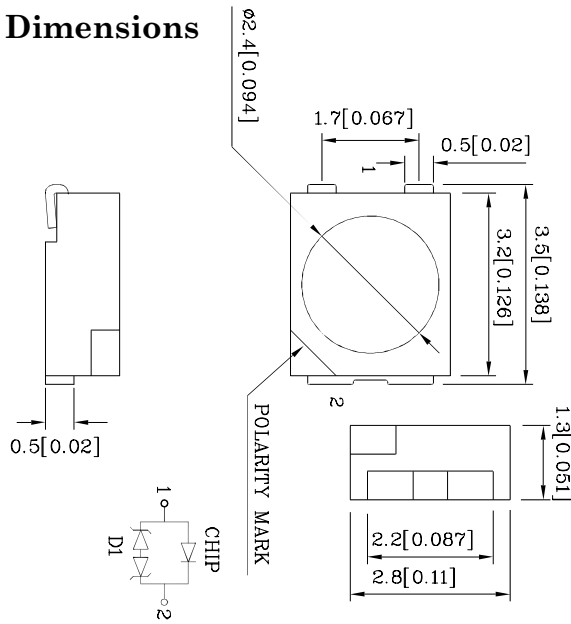


Package Dimensions

P/N: EDG109S
3.5X2.8MM GREEN SMD LED



- 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.

Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=150mA) mcd		Luminous Flux (IF=150mA) mlm		Viewing Angle 2 θ 1/2
			min.	typ.	min.	typ.	
Green	InGaN	Water Clear	4700	6500	17000	24000	120°

Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	Value	Unit
Power Dissipation	Pa	600	mW
Reverse Voltage	Vr	5	V
Junction Temperature [1]	Tj	110	°C
Operating Temperature	Top	-40 To +85	°C
Storage Temperature	Tstg	-40 To +85	°C
DC Forward Current [1]	IF	150	mA
Peak Forward Current [2]	IFM	300	mA
Thermal Resistance [1] (Junction/ambient)	Rthj-a	170	°C/W
Thermal Resistance [1] (Junction/solder point)	Rthj-s	50	°C/W
Electrostatic Discharge Threshold (HBM)		8000	V

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Value	Unit
Wavelength at peak emission IF=150mA [Typ.]	λ peak	515	nm
Dominant Wavelength IF=150mA [Typ.]	λ dom	525	nm
Spectral Line Half-width IF=150mA [Typ.]	$\Delta\lambda$	30	nm
Reverse Current (VR=5V) [Max.]	IR	10	mA
Forward Voltage IF=150mA [Min.]	VF	2.9	V
Forward Voltage IF=150mA [Typ.]		3.5	
Forward Voltage IF=150mA [Max.]		4.0	
Temperature coefficient of λ peak IF=150mA, -10°C ≤ T ≤ 100°C [Typ.]	TC λ peak	0.13	nm/°C
Temperature coefficient of λ dom IF=150mA, -10°C ≤ T ≤ 100°C [Typ.]	TC λ dom	0.1	nm/°C
Temperature coefficient of VF IF=150mA, -10°C ≤ T ≤ 100°C [Typ.]	TCv	-3.1	mV/°C