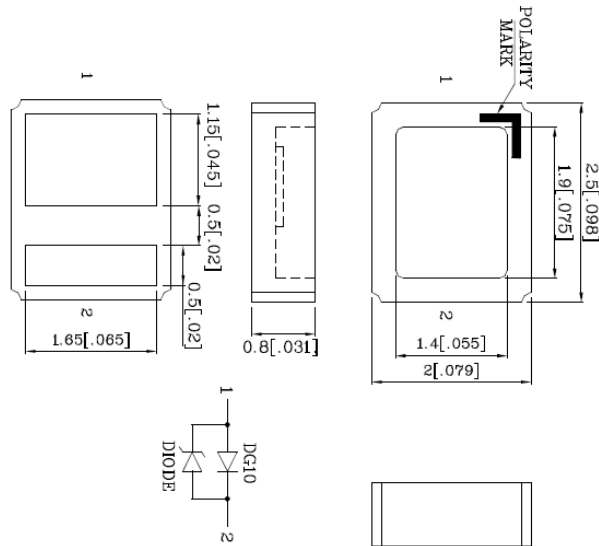


Package Dimensions

P/N: EDG115S
2.5X2.0mm SURFACE MOUNT LED LAMP



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25(0.01") unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=250mA) mcd		Luminous Flux (IF=250mA) lm		Viewing Angle 2θ 1/2
			min.	typ.	min.	typ.	
Green	AlInGaN	Water Clear	7500	9990	30	38	120°

Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	Value	Unit
Power dissipation	P _t	1.0	W
Junction temperature [1]	T _j	110	°C
Operating Temperature	T _{op}	-40 To +100	°C
Storage Temperature	T _{stg}	-40 To +120	°C
DC Forward Current [1]	I _F	250	mA
Peak Forward Current [2]	I _{FM}	400	mA
Thermal resistance [1]	R _{thja}	120	°C/W
Electrostatic Discharge Threshold (HBM)		8000	V

Notes:

1. Results from mounting on PC board FR4(pad size>100mm²),mounted on pc board-metal core PCB is recommend for lowest thermal resistance.
2. 1/10 Duty Cycle, 0.1ms Pulse Width.

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Value	Unit
Wavelength at peak emission IF=250mA [Typ.]	λ _{peak}	520	nm
Dominant Wavelength IF=250mA [Typ.]	λ _{dom}	530	nm
Spectral bandwidth at 50%FREL MAX IF=250mA [Typ.]	Δλ	35	nm
Forward Voltage IF=250mA [Min.]	VF	3.0	V
Forward Voltage IF=250mA [Typ.]		3.6	
Forward Voltage IF=250mA [Max.]		4.0	
Temperature coefficient of I _{peak} IF=250mA, -10°C≤ T _s ≤100°C [Typ.]	TC λ _{peak}	0.15	nm/°C
Temperature coefficient of I _{dom} IF=250mA, -10°C≤ T _s ≤100°C [Typ.]	TC λ _{dom}	0.12	nm/°C
Temperature coefficient of VF IF=250mA, -10°C≤ T _s ≤100°C [Typ.]	TCV	-3.0	mV/°C