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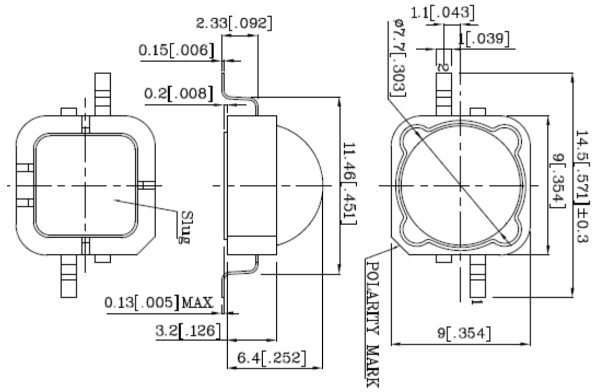
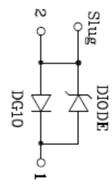
Package Dimensions

P/N: EDG106W
9x9mm High Power LED with Dome Lens





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.

Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=350mA) cd		Wavelength nm λ P	Viewing Angle 2 θ 1/2 [2]
			min.	typ.		
Green	AlInGaN	Water Clear	12	24	520	100°

Absolute Maximum Ratings at T_A=25°C

Parameter	Symbol	Value	Unit
Power dissipation	P_t	1.33	W
Junction temperature	T_J	110	°C
Operating Temperature	Top	-40 To +100	°C
Storage Temperature	Tstg	-40 To +100	°C
DC Forward Current [1]	I_F	350	mA
Peak Forward Current [3]	I_{FM}	500	mA
Thermal resistance [1]	$R_{th\ j\text{-}slug}$	9	°C/W
Electrostatic Discharge Threshold (HBM)		8000	V
Iron Soldering [4]	350°C For 3 Seconds		

Notes:
1.Metal Core PCB is mounted on the heat Fins.
2.θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
3.1/10 Duty Cycle, 0.1ms Pulse Width.
4. 1.29mm below package base.

Electrical / Optical Characteristics at T_A=25°C

Parameter	Symbol	Value	Unit
Wavelength at peak emission I_F=350mA [Typ.]	λ peak	520	nm
Dominant Wavelength I_F=350mA [Typ.]	λ dom	530	nm
Spectral bandwidth at 50%$\Phi_{REL\ MAX}$ I_F=350mA [Typ.]	Δλ	35	nm
Forward Voltage I_F=350mA [Min.]	V_F	2.7	V
Forward Voltage I_F=350mA [Typ.]		3.3	
Forward Voltage I_F=350mA [Max.]		3.8	
Temperature coefficient of λ peak I_F=350mA, -10°C≤ T≤100°C [Typ.]	$TC_{\lambda\ peak}$	0.16	nm/°C
Temperature coefficient of λ dom I_F=350mA, -10°C≤ T≤100°C [Typ.]	$TC_{\lambda\ dom}$	0.14	nm/°C
Temperature coefficient of V_F I_F=350mA, -10°C≤ T≤100°C [Typ.]	TC_V	-2.26	mV/°C