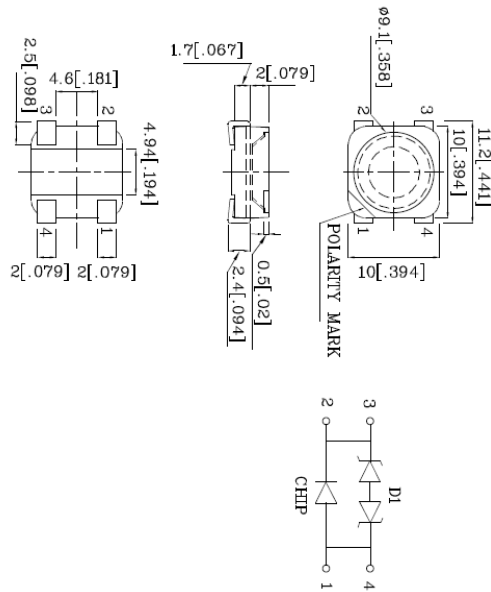


## Package Dimensions

P/N: ECW102W  
10X10MM WHITE SMD LED



### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$ " 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=350mA) [1]		Luminous Flux (IF=350mA) [1]		Viewing Angle 2θ 1/2 [2]
			min. cd	typ.	min. lm	typ.	
White	AlGaInN	Water Clear	12	23	20	59	60°

### Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	Value	Unit
Power dissipation	PD	1.25	W
Junction temperature	TJ	110	°C
Reverse Voltage	VR	5	V
Operating Temperature	Top	-40 To +85	°C
Storage Temperature	Tstg	-40 To +85	°C
DC Forward Current [1]	IF	350	mA
Peak Forward Current [3]	IFM	500	mA
Thermal resistance [1]	Rth	9	°C/W

### Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Value	Unit
Chromaticity coordinate x acc.to CIE1931 IF=350mA [Typ.]	X	0.31	-
Chromaticity coordinate y acc.to CIE1931 IF=350mA [Typ.]	Y	0.31	-
Forward Voltage IF=350mA [Min.]	VF	2.8	V
Forward Voltage IF=350mA [Typ.]		3.2	
Forward Voltage IF=350mA [Max.]		3.6	
Reverse Current VR=5V [Max.]	IR	10	µA
Temperature coefficient of x IF=350mA, -10° C ≤ T ≤ 100° C [Typ.]	TCx	-0.6	10 <sup>-3</sup> /°C
Temperature coefficient of y IF=350mA, -10° C ≤ T ≤ 100° C [Typ.]	TCy	-0.2	10 <sup>-3</sup> /°C
Temperature coefficient of VF IF=350mA, -10° C ≤ T ≤ 100° C [Typ.]	TCv	-3.2	mV/°C