



- Red, Amber, Amber/Yellow, Yellow, Green, Blue
- Water Clear Encapsulation
- Luminous Intensities from 3 to 160 mcd

Electro-Optical Characteristics @ $T_A = 25^\circ\text{C}$

Absolute Maximum Ratings @ $T_A = 25^\circ\text{C}$

Part Number	Color	Peak Wavelength λ_{pk} (nm)	Luminous Intensity I_v (mcd) @ $I_f=20\text{mA}$ Min/Typ	Viewing Angle $2\theta_{1/2}$ (deg)	Forward Voltage V_f @ $I_f=20\text{mA}$ Typ/Max	Power Dissipation (mW)	Derating Factor (mW/ $^\circ\text{C}$)	Maximum Continuous Current (mA)	Peak Forward Current 5% Duty Cycle (mA)	Operating & Storage Temperature ($^\circ\text{C}$)
125-EWR	RED	660	30/60	30	1.7/2.0	100	1.6	50	300	-30 / +85[3]
125-UWR	RED	660	100/160[1]	30	1.8/2.0[1]	100	1.6	50	300	-30 / +85[3]
125-EWA	AMB	605	16/24	30	2.2/2.5	125	1.8	50	100	-30 / +85[3]
125-UWA	AMB	605	40/60[2]	30	2.3/2.5[2]	125	1.8	50	100	-30 / +85[3]
125-EWAY	A/Y	580	16/24	30	2.2/2.5	125	1.8	50	100	-30 / +85[3]
125-UWAY	A/Y	580	40/60[2]	30	2.3/2.5[2]	125	1.8	50	100	-30 / +85[3]
125-EWY	YEL	570	24/48	30	2.1/2.5	125	1.8	50	100	-30 / +85[3]
125-UWY	YEL	570	90/150[2]	30	2.2/2.5[2]	125	1.8	50	100	-30 / +85[3]
125-EWG	GRN	555	10/15	30	2.1/2.5	125	1.8	50	100	-30 / +85[3]
125-UWG	GRN	555	40/60[2]	30	2.2/2.5[2]	125	1.8	50	100	-30 / +85[3]
125-SWB	BLU	470	1/3	44	3.0/3.2	200	3.6	50	250	-20 / +80

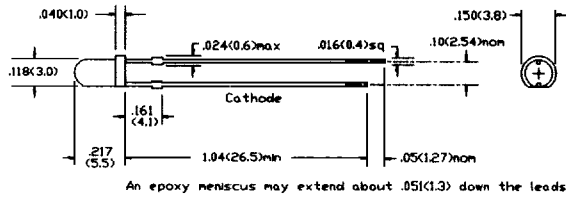
[1] Forward Current = 50mA.
[2] Forward Current = 40mA.
[3] Storage Temperature = -30/ +100 $^\circ\text{C}$.

Reverse Breakdown Voltage $V_r(I_R=100\mu\text{A})=4\text{Vdc}$, Model 125-SWB $V_r(I_R=30\mu\text{A})=5\text{Vdc}$.
 LED Soldering Temperature=260 $^\circ\text{C}$ (1/16" below package base for 5 seconds).

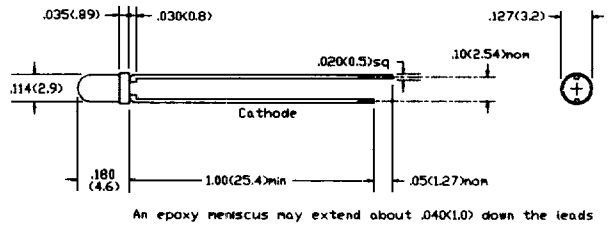
Color	λ_{pk} (nm)	Chip Material
RED	660	GaAlAs
AMB	605	GaAsP/GaP
A/Y	580	GaAsP/GaP
YEL	570	GaP
GRN	555	GaP
BLU	470	SiC

To Order: Select one **Part Number** from the **SHADED** column in the table.

Example: 125-EWG (T-1, Water Clear, E Series, GRN)



E and U Series



S Series



All dimensions are in inches(mm)
 Tolerances: .xx"(x) ±.025"(.63) / .xxx"(xx) ±.010"(.25)
 Specifications are subject to change without notice.