



- Red, Amber, Amber/Yellow, Yellow, Green, Blue
- Non-Diffused Tinted Encapsulation
- Luminous Intensities from 2 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/°C)	Maximum Continuous Current (mA)	Peak Forward Current 5% Duty Cycle (mA)	Operating & Storage Temperature (°C)
125-ECR	RED	660	30/60	30	1.7/2.0	100	1.6	50	300	-30 / +85[4]
125-PCR	RED	660	40/80	20	1.7/2.0	100	1.6	50	300	-30 / +85[4]
125-UCR	RED	660	100/160[1]	30	1.8/2.0[1]	100	1.6	50	300	-30 / +85[4]
125-BCR	RED	635	17/24	45	2.2/3.0	135	1.8	30	90	-55 / +100
125-ECA	AMB	605	16/24	30	2.2/2.5	125	1.8	50	100	-30 / +85[4]
125-PCA	AMB	605	20/40	30	2.2/2.5	125	1.8	50	100	-30 / +85[4]
125-UCA	AMB	605	40/60[2]	30	2.3/2.5[2]	125	1.8	50	100	-30 / +85[4]
125-BCA	AMB	583	12/24	45	2.2/3.0	85	1.6[3]	20	60	-55 / +100
125-ECAY	A/Y	580	16/24	30	2.2/2.5	125	1.8	50	100	-30 / +85[4]
125-PCAY	A/Y	580	20/40	30	2.2/2.5	125	1.8	50	100	-30 / +85[4]
125-UCAY	A/Y	580	40/60[2]	30	2.3/2.5[2]	125	1.8	50	100	-30 / +85[4]
125-ECY	YEL	570	24/48	30	2.1/2.5	125	1.8	50	100	-30 / +85[4]
125-PCY	YEL	570	30/60	30	2.1/2.5	125	1.8	50	100	-30 / +85[4]
125-UCY	YEL	570	90/150[2]	30	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
125-BCG	GRN	565	8/24	45	2.3/3.0	135	1.8	30	90	-55 / +100
125-BCG	GRN	555	10/15	30	2.1/2.5	125	1.8	50	100	-30 / +85[4]
125-PCG	GRN	555	10/20	20	2.2/2.5	125	1.8	50	100	-30 / +85[4]
125-UCG	GRN	555	40/60[2]	30	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
125-SCB	BLU	470	1/2	30	3.0/3.2	200	3.6	50	250	-20 / +80

[1] Forward Current = 50mA.

[2] Forward Current = 40mA.

[3] Derate from $T_A = 50^\circ\text{C}$.

[4] Storage Temperature = -30/ +100°C.

Reverse Breakdown Voltage $V_r(I_R=100\mu\text{A})=5\text{Vdc}$, E Series, P Series & U Series=4Vdc. Model 125-SCB $V_r(I_R=30\mu\text{A})=5\text{Vdc}$.

LED Soldering Temperature=260°C (1/16" below package base for 5 seconds).

Color	λ_{pk} (nm)	Chip Material
RED	660	GaAlAs
RED	635	GaAsP/GaP
AMB	583-605	GaAsP/GaP
A/Y	580	GaAsP/GaP
YEL	570	GaP
GRN	555-565	GaP
BLU	470	SiC

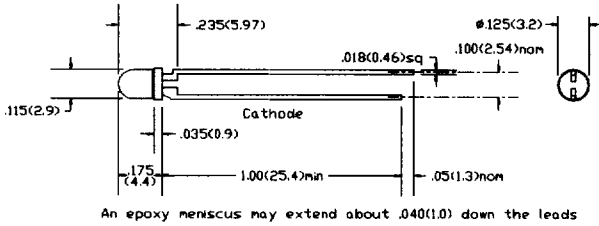


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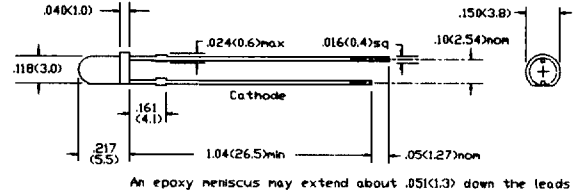
T-1 LEDs Non-Diffused

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

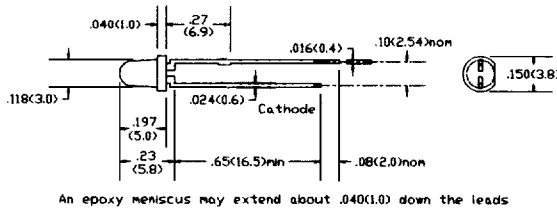
Example: 125-ECY (T-1, Non-Diffused E Series, YEL)



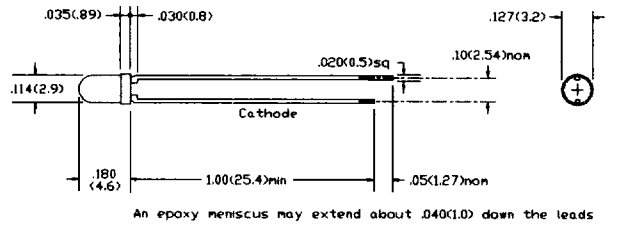
B Series



E and U Series



P Series



S Series



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