



- Red, Amber, Amber/Yellow, Yellow, Green, Blue
- Diffused Tinted Encapsulation
- Luminous Intensities from 1 to 100 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-ER	RED	660	24/48	44	1.7/2.0	100	1.6	50	300	-30 / +85[4]
125-UR	RED	660	60/100[1]	44	1.8/2.0[1]	100	1.6	50	300	-30 / +85[4]
125-MR	RED	635	6/8	90	2.0/3.0	120	1.6[3]	30	90	-55 / +100
125-BR	RED	635	6/14	60	2.2/3.0	135	1.8	30	90	-55 / +100
125-EA	AMB	605	12/18	44	2.2/2.5	125	1.8	50	100	-30 / +85[4]
125-UA	AMB	605	18/30[2]	44	2.3/2.5[2]	125	1.8	50	100	-30 / +85[4]
125-MA	AMB	585	5/9	90	2.1/3.0	120	1.6[3]	30	90	-55 / +100
125-BA	AMB	583	6/14	60	2.2/3.0	85	1.6[3]	20	60	-55 / +100
125-EAY	A/Y	580	12/18	44	2.2/2.5	125	1.8	50	100	-30 / +85[4]
125-UAY	A/Y	580	18/30[2]	44	2.3/2.5[2]	125	1.8	50	100	-30 / +85[4]
125-EY	YEL	570	20/30	44	2.1/2.5	125	1.8	50	100	-30 / +85[4]
125-UY	YEL	570	50/80[2]	44	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
125-BG	GRN	565	5/14	60	2.3/3.0	135	1.8	30	90	-55 / +100
125-MG	GRN	562	2/5	90	2.2/3.0	120	1.6[3]	30	90	-55 / +100
125-EG	GRN	555	4/8	44	2.1/2.5	125	1.8	50	100	-30 / +85[4]
125-UG	GRN	555	12/20[2]	44	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
125-SB	BLU	470	5/1	60	3.0/3.2	200	3.6	50	250	-20 / +80

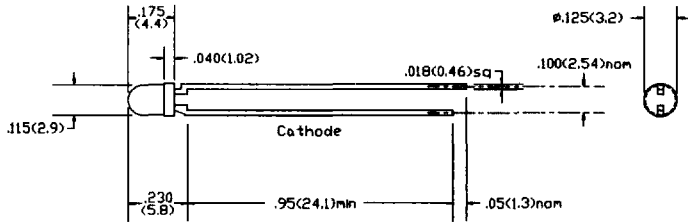
[1] Forward Current = 50mA.
[2] Forward Current = 40mA.
[3] Derate from $T_A = 50^\circ\text{C}$.
[4] Storage Temperature = -30/ +100°C

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

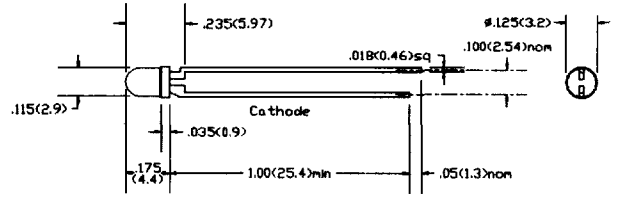
To Order: Select one Part Number from the **SHADED** column in the table.

Example: 125-BR (T-1, Diffused B Series, RED)



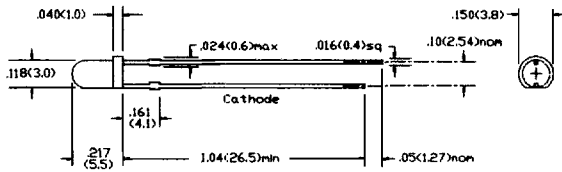
An epoxy meniscus may extend about .040(1.0) down the leads

M Series



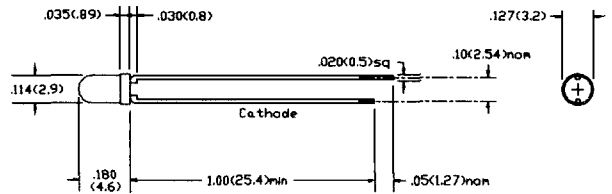
An epoxy meniscus may extend about .040(1.0) down the leads

B Series



An epoxy meniscus may extend about .05(1.3) down the leads

E and U Series



An epoxy meniscus may extend about .040(1.0) down the leads

S Series



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