



- Red, Amber, Amber/Yellow, Yellow, Green, Blue
- Diffused Tinted Encapsulation
- Luminous Intensities from 3 to 120 mcd

Electro-Optical Characteristics @ T_A = 25°C

Absolute Maximum Ratings @ T_A = 25°C

Part Number	Color	Peak Wavelength λ _{pk} (nm)	Luminous Intensity I _v (mcd) @ I _f =20mA Min/Typ	Viewing Angle 2θ _{1/2} (deg)	Forward Voltage V _f @ I _f =20mA Typ/Max	Power Dissipation (mW)	Derating Factor (mW/°C)	Maximum Continuous Current (mA)	Peak Forward Current 5% Duty Cycle (mA)	Operating & Storage Temperature (°C)
200-ER	RED	660	20/30	44	1.7/2.0	100	1.6	50	300	-30 / +85[4]
200-UR	RED	660	70/120[1]	44	1.8/2.0[1]	100	1.6	50	300	-30 / +85[4]
200-MR	RED	635	3/15	65	2.0/3.0	120	1.6	35	90	-55 / +100
200-BR	RED	635	8/14	60	2.2/3.0	135	1.8	30	90	-55 / +100
200-EA	AMB	605	16/24	44	2.2/2.5	125	1.8	50	100	-30 / +85[4]
200-UA	AMB	605	50/80[2]	44	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
200-MA	AMB	585	2.5/15	65	2.1/3.0	120	1.6	35	90	-55 / +100
200-BA	AMB	583	8/16	60	2.2/3.0	85	1.6[3]	20	60	-55 / +100
200-EAY	A/Y	580	16/24	44	2.2/2.5	125	1.8	50	100	-30 / +85[4]
200-UAY	A/Y	580	50/80[2]	44	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
200-EY	YEL	570	30/45	44	2.1/2.5	125	1.8	50	100	-30 / +85[4]
200-UY	YEL	570	60/100[2]	44	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
200-BG	GRN	565	8/10	60	2.3/3.0	135	1.8	30	90	-55 / +100
200-MG	GRN	562	7/20	75	2.2/3.0	120	1.6	30	90	-55 / +100
200-BG	GRN	555	8/12	44	2.1/2.5	125	1.8	50	100	-30 / +85[4]
200-UG	GRN	555	24/40[2]	44	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
200-SMB	BLU	468	1.6/3	38	3.0/3.2	200	3.6	50	100	-25 / +85[4]

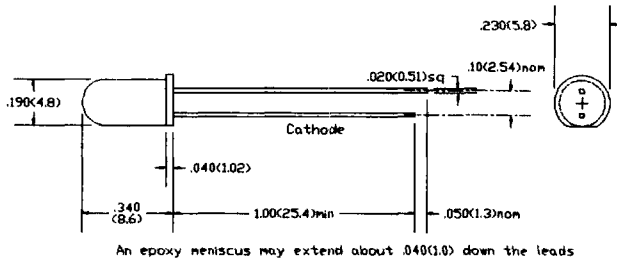
- [1] Forward Current = 50mA.
- [2] Forward Current = 40mA.
- [3] Derate from T_A = 50°C.
- [4] Storage Temperature = -30/ +100°C, -25/ +100°C for 200-SMB.

Reverse Breakdown Voltage V_r(I_R=100μA)=5Vdc, E Series & U Series=4Vdc. Model 200-SB V_r(I_R=30μA)=5Vdc.
LED Soldering Temperature=260°C (1/16" below package base for 5 seconds).

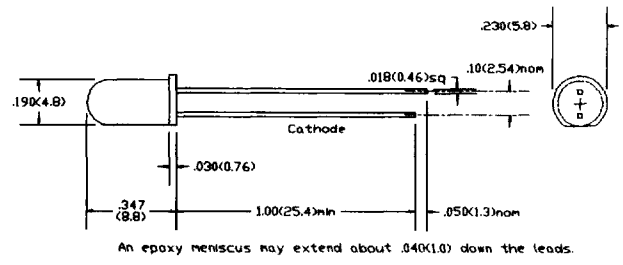
Color	λ _{pk} (nm)	Chip Material
RED	660	GaAlAs
RED	635	GaAsP/GaP
AMB	583-605	GaAsP/GaP
A/Y	580	GaAsP/GaP
YEL	570	GaP
GRN	555-565	GaP
BLU	470	SiC

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

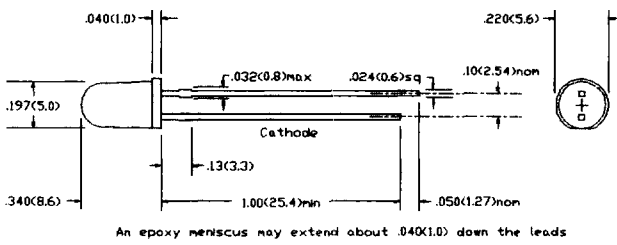
Example: 200-EA (T-1^{3/4}, Diffused E Series, AMB)



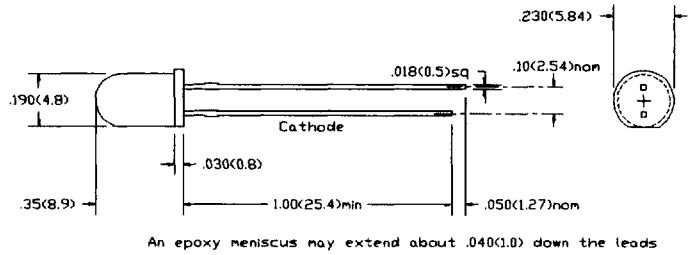
M Series



B Series



E and U Series



S Series



All dimensions are in inches(mm)
 Tolerances: .xx"(x) ± .025"(6.3) / .xxx"(xx) ± .010"(.25)
 Specifications are subject to change without notice.