



- Red, Amber, Amber/Yellow, Yellow, Green, Blue
- Non-Diffused Tinted Encapsulation
- Luminous Intensities from 7 to 400 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-ECR	RED	660	80/160	30	1.7/2.0	100	1.6	50	300	-30 / +85[4]
200-UCR	RED	660	240/400[1]	30	1.8/2.0[1]	100	1.6	50	300	-30 / +85[4]
200-MCR	RED	635	17/100	28	2.0/3.0	120	1.6	35	90	-55 / +100
200-BCR	RED	635	40/120	35	2.2/3.0	135	1.8	30	90	-55 / +100
200-ECA	AMB	605	60/90	30	2.2/2.5	125	1.8	50	100	-30 / +85[4]
200-UCA	AMB	605	120/200[2]	30	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
200-MCA	AMB	585	10/90	28	2.1/3.0	120	1.6	35	90	-55 / +100
200-BCA	AMB	583	40/100	35	2.2/3.0	85	1.6[3]	20	60	-55 / +100
200-ECAY	A/Y	580	60/90	30	2.2/2.5	125	1.8	50	100	-30 / +85[4]
200-UCAY	A/Y	580	120/200[2]	30	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
200-ECY	YEL	570	80/160	30	2.1/2.5	125	1.8	50	100	-30 / +85[4]
200-UCY	YEL	570	200/350[2]	30	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
200-BCG	GRN	565	22/140	24	2.3/3.0	135	1.8	30	90	-55 / +100
200-MCG	GRN	562	30/100	35	2.2/3.0	120	1.6	30	90	-55 / +100
200-ECG	GRN	555	50/80	30	2.1/2.5	125	1.8	50	100	-30 / +85[4]
200-UCG	GRN	555	120/200[2]	30	2.2/2.5[2]	125	1.8	50	100	-30 / +85[4]
200-SCB	BLU	470	3/7	30	3.0/3.2	200	3.6	50	250	-20 / +80[4]

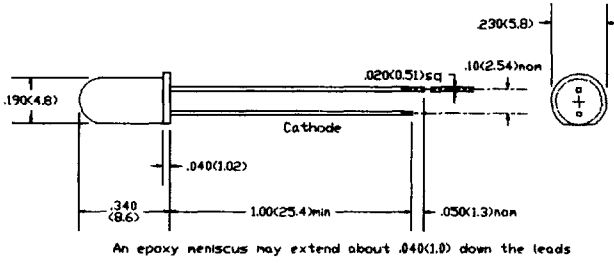
[1] Forward Current = 50mA.
[2] Forward Current = 40mA.
[3] Derate from T _A = 50°C.
[4] Storage Temperature = -30/ +100°C.

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

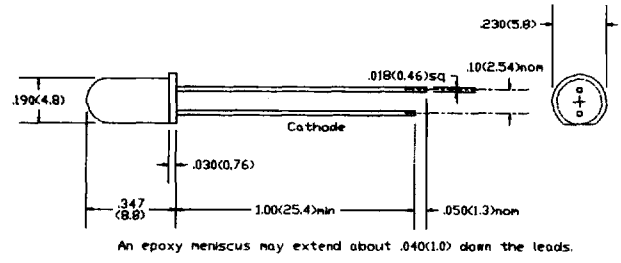
Color	λ _{pk} (nm)	Chip Material
RED	660	GaAlAs
RED	635	GaAsP/GaP
AMB	583-605	GaAsP/GaP
A/Y	580	GaAsP/GaP
YEL	570	GaP
GRN	555-565	GaP
BLU	470	SiC

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

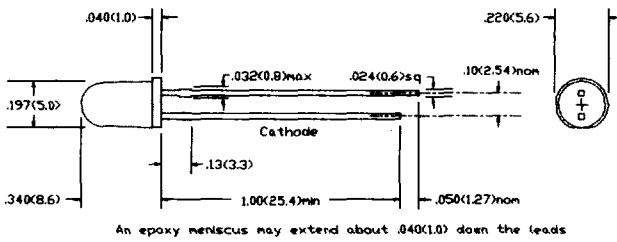
Example: 200-BCR (T-1^{3/4}, Non-Diffused E Series, RED)



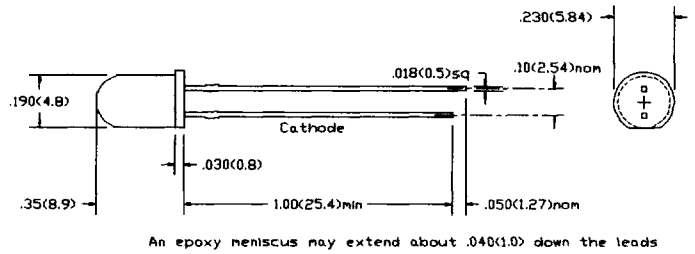
M Series



B Series



E and U Series



S Series



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