



Data Display Products®

T-1³/₄ LEDs Low Profile, Non-Diffused

- Red, Amber, Yellow, Green
- Non-Diffused Tinted Encapsulation
- Luminous Intensities from 24 to 75 mcd

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

Part Number	Color	Peak Wavelength λ_{pk} (nm)	Luminous Intensity Iv (mcd) @ If=20mA Min/Typ	Viewing Angle $2\theta_{1/2}$ (deg)	Forward Voltage Vf @ If=20mA Typ/Max	Absolute Maximum Ratings @ $T_A = 25^\circ\text{C}$				
						Power Dissipation (mW)	Derating Factor (mW/°C)	Maximum Continuous Current (mA)	Peak Forward Current 5% Duty Cycle (mA)	Operating & Storage Temperature (°C)
180-ECR	RED	660	30/60	30	1.7/2.0	100	1.6	50	300	-30 / +85[2]
180-BCR	RED	635	24/36	45	2.2/3.0	135	1.8	30	90	-55 / +100
180-ECA	AMB	605	30/45	30	2.2/2.5	125	1.8	50	100	-30 / +85[2]
180-BCA	AMB	583	24/36	45	2.2/3.0	85	1.6[1]	20	60	-55 / +100
180-ECY	YEL	570	50/75	30	2.1/2.5	125	1.8	50	100	-30 / +85[2]
180-BCG	GRN	565	22/30	40	2.3/3.0	135	1.8	30	90	-55 / +100
180-ECG	GRN	555	16/24	30	2.1/2.5	125	1.8	50	100	-30 / +85[2]

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

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

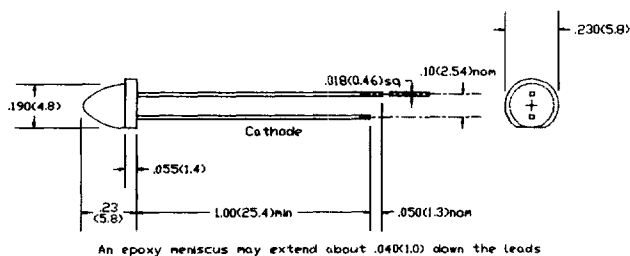
Reverse Breakdown Voltage $V_r(I_R=100\mu\text{A})=5\text{Vdc}$, E Series=4Vdc.

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

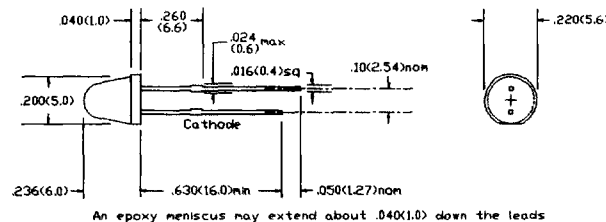
Color	λ_{pk} (nm)	Chip Material
RED	660	GaAlAs
RED	635	GaAsP/GaP
AMB	583-605	GaAsP/GaP
YEL	570	GaP
GRN	555-565	GaP

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

Example: 180-BCR (T-1³/₄ Low Profile, Non-Diffused B Series, RED)



Low Profile B Series



Low Profile E Series

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