



Data Display Products®

T-1³/₄ LEDs Low Profile, Diffused

- Red, Amber, Yellow, Green
- Diffused Tinted Encapsulation
- Luminous Intensities from 12 to 45 mcd

Electro-Optical Characteristics @ 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	Absolute Maximum Ratings @ T _A = 25°C				
						Power Dissipation (mW)	Derating Factor (mW/°C)	Maximum Continuous Current (mA)	Peak Forward Current 5% Duty Cycle (mA)	Operating & Storage Temperature (°C)
180-ER	RED	660	20/30	44	1.7/2.0	100	1.6	50	300	-30 / +85[2]
180-BR	RED	635	10/14	50	2.2/3.0	135	1.8	30	90	-55 / +100
180-EA	AMB	605	20/30	44	2.2/2.5	125	1.8	50	100	-30 / +85[2]
180-BA	AMB	583	12/20	50	2.2/3.0	85	1.6[1]	20	60	-55 / +100
180-EY	YEL	570	30/45	44	2.1/2.5	125	1.8	50	100	-30 / +85[2]
180-BG	GRN	565	14/20	50	2.3/3.0	135	1.8	30	90	-55 / +100
180-EG	GRN	555	8/12	44	2.1/2.5	125	1.8	50	100	-30 / +85[2]

[1] Derate from T_A = 50°C.

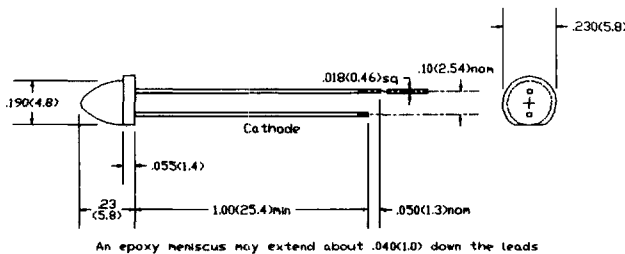
[2] Storage Temperature = -30/ +100°C.

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

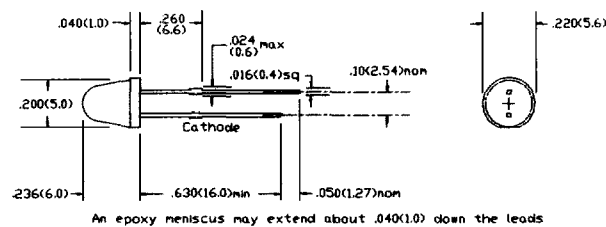
Color	λ _{pk} (nm)	Chip Material
RED	660	GaAlAs
RED	635	GaAsP/GaP
AMB	583-605	GaAsP/GaP
YEL	570	GaP
GRN	555-565	GaP

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

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



Low Profile B Series



Low Profile E Series

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