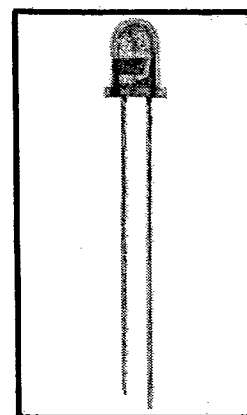


MODEL 190 (T-1 3/4 LOW PROFILE) LEDs

DATA
DISPLAY
PRODUCTS

FEATURES

- Colors: Red, Green, Amber
- Encapsulations: Diffused Tinted, Non-Diffused Tinted

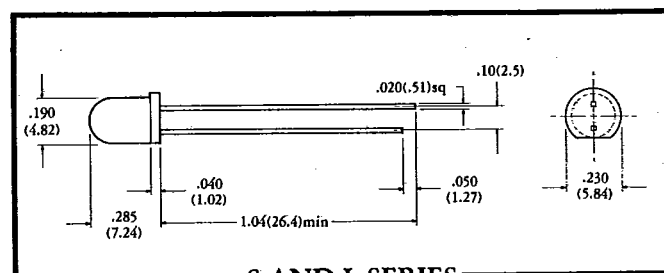


MECHANICAL DATA

ABSOLUTE MAXIMUM RATINGS

PARAMETERS (TA=25°C)	S Red	L Red/Green	L Amber
POWER DISSIPATION (mW)	100	100	60
MAXIMUM CONTINUOUS CURRENT (mA)	30	30	20
PEAK FORWARD CURRENT 5% DUTY CYCLE (mA)	60	120	80
OPERATING & STORAGE TEMPERATURE (°C)	-55/+100	-55/+100	-55/+100

LED Soldering Temperature 1/16" Below Package Base For 5 Sec. = 260°C



S AND L SERIES

Flat on flange denotes cathode

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

TOLERANCES

ELECTRO-OPTICAL DATA

SERIES	COLOR	COLOR CODE/LUMINOUS INTENSITY I_v (mcd) at 25° C/20mA		PK WAVELENGTH λ (nm)	FWD VOLTAGE V_f Typ/Max (V)	CAPACITANCE C (pf)
		Diffused Tinted	Non-Diffused Tinted			
S <i>Viewing Angle 28½°</i>	Red	SR/2 70°		655	1.7/2.0	50
L <i>Viewing Angle 28½°</i>	Red	LR/6	LCR/17	635	2.0/3.0	20
	Green	LG/6	LCG/19	565	2.2/3.0	35
	Amber	LA/3.5	LCA/19	585	2.2/3.0	15
		60°	34°			

Reverse Breakdown Voltage V_R (IR = 100μA) = 5Vdc

Information Regarding Electro-Optical Curves Can Be Found On Pages 8 & 9

ORDERING INFORMATION

MODEL NUMBER

COLOR CODE

Refer to Electro-Optical Table Above

190

LCR