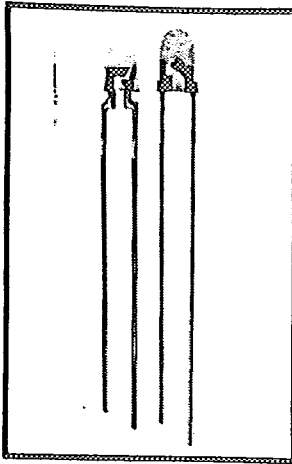


MODEL 125 (T-1) LEDs

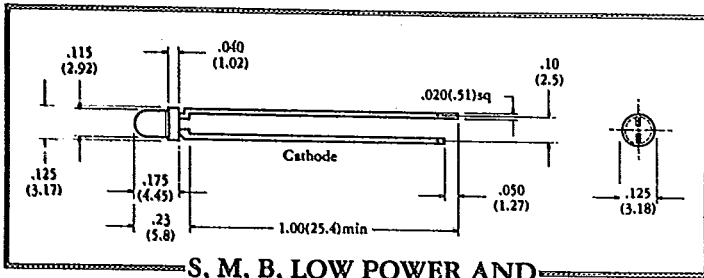
FEATURES

T-41-21

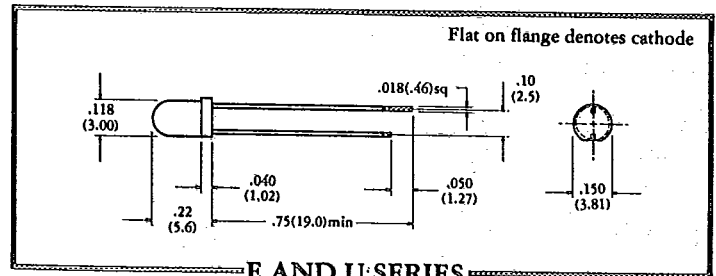


- Colors: Red, Green, Amber, Yellow
- Low Power, Bi-Color, Integrated Resistor 5 & 12 Volt
- Encapsulations: Diffused Tinted, Non-Diffused Tinted, Non-Diffused Water Clear

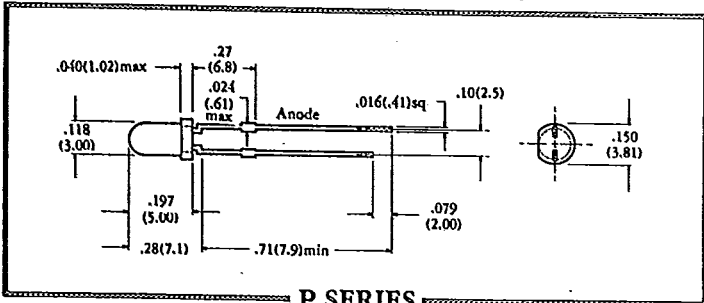
MECHANICAL DATA



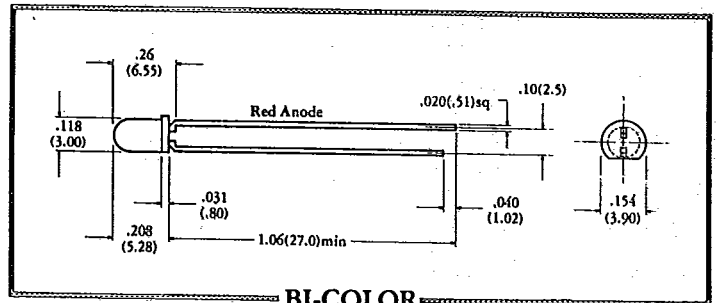
S, M, B, LOW POWER AND INTEGRATED RESISTOR 5V/12V



E AND U SERIES



P SERIES



BI-COLOR

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

ABSOLUTE MAXIMUM RATINGS

PARAMETERS (TA=25°C)	S	M	B	E	U	P	LOW POWER	BI-COLOR	INT. R 5V/12V
POWER DISSIPATION (mW)	100	120	120	120	120	100	24	80	30/12
DERATING FACTORS (mW)/°C Derate from 25°C ambient	1.6	1.8	1.8	1.8*	1.6	1.6	■	1.6	■
MAXIMUM CONTINUOUS CURRENT (mA)	30	35	30	40	40*	50	7.5	30	10/13
PEAK FORWARD CURRENT 5% DUTY CYCLE (mA)	60	60	60	100	100	100	25	90	15/20
OPERATING & STORAGE TEMPERATURE (°C)	-55/+100	-55/+100	-55/+100	-30/+100	-30/+100	-30/+85	-55/+100	-25/+70	-40/+85

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

*Red = 55 * Amber 1.6 ■ Contact Factory

MODEL 125 (T-1) LEDs

DATA
DISPLAY
PRODUCTS



ELECTRO-OPTICAL DATA

T-41-21

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	Water Clear			
S <i>Viewing Angle 28½</i>	Red	R/2 125°			655	1.6/2.0	50
M <i>Viewing Angle 28½</i>	Red Green Amber	MR/10 MG/5 MA/10 90°	MCR/24 MCG/12 MCA/16 60°		635 565 585	2.0/3.0 2.2/3.0 2.0/3.0	45 20 45
B <i>Viewing Angle 28½</i>	Red Green Amber	BR/10 BG/10 BA/10 60°	BCR/30 BCG/12 BCA/30 45°		635 565 583	2.1/3.0 2.3/3.0 2.2/3.0	16 18 18
E <i>Viewing Angle 28½</i>	Red Green Amber Yellow	ER/18 EG/8 EA/18 EY/30 44°	ECR/60 ECG/24 ECA/24 ECY/48 30°	EWR/60 EWG/24 EWA/24 EWY/48 30°	660 555 605 570	1.7/2.2 2.1/2.8 2.1/2.8 2.1/2.8	50 50 50 40
U¹ <i>Viewing Angle 28½</i>	Red Green Amber Yellow	UR/100 UG/20 UA/30 UY/80 44°	UCR/160 UCG/60 UCA/60 UCY/150 30°	UWR/160 UWG/60 UWA/60 UWY/150 30°	660 555 605 570	1.8/2.4 2.3/3.0 2.3/3.0 2.3/3.0	50 50 50 40
P <i>Viewing Angle 28½</i>	Red Green Amber Yellow Amber/Yellow		PCR/80 PCG/25 PCA/40 PCY/60 PCAY/40 30°		660 555 605 570 580	1.7/2.2 2.1/2.8 2.2/2.8 2.1/2.8 2.2/2.8	50 50 50 40 40
Low Power² <i>Viewing Angle 28½</i>	Red Green Amber	H-RLP/2 H-GLP/2 H-ALP/2 50°			635 565 583	1.8/2.2 1.8/2.2 1.9/2.7	4 18 4
Bi-Color³ <i>Viewing Angle 28½</i>	Red Green	MRG/2.5 MRG/1.5 100°			635 565	2.1/2.8 2.1/2.8	
Integrated Resistor-5V⁴ <i>Viewing Angle 28½</i>	Red Green Amber	BR5V/4 BG5V/4 BA5V/4 60°			635 565 583	5/7.5 5/7.5 5/7.5	
Integrated Resistor-12V⁵ <i>Viewing Angle 28½</i>	Red Green Amber	BR12V/4 BG12V/4 BA12V/4 60°			635 565 583	12/15 12/15 12/15	

Reverse Breakdown Voltage V_R ($I_R = 100\mu A$) = 5Vdc Except E, U & P Series $V_R = 4Vdc$

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

¹Forward Current Red = 50mA, Others = 40mA

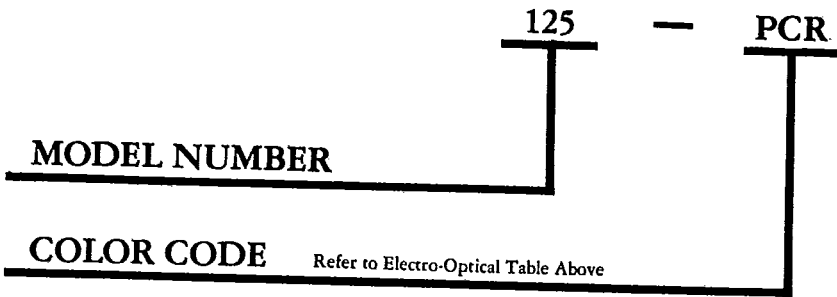
²Forward Current = 2mA

³Encapsulation: Milky Diffused

⁴Forward Current Green = 12mA, Others = 10mA

⁵Forward Current = 13mA

ORDERING INFORMATION



MODEL NUMBER

COLOR CODE

Refer to Electro-Optical Table Above