

EVERLIGHT

LED LAMP ARRAYS

T-41-31

■ LED LAMP ARRAYS 93B SERIES

■ MODEL NO. AND HOLDER LENGTH:

93B/1X: L = 6.0mm

93B/2X: L = 12.5mm

93B/3X: L = 18.8mm

93B/4X: L = 25.0mm

93B/5X: L = 31.5mm

■ SELECTION GUIDE:

93B / 1H + 2Y + 2G

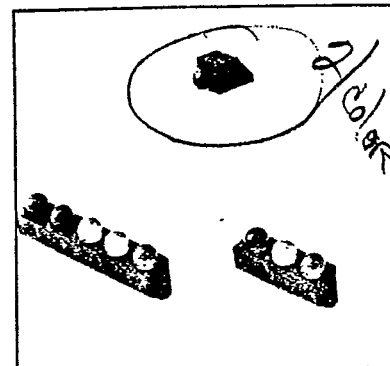
(From left to right as drawing)
No. of Lamps & Colors Combination

Color of Holder*

Model No.

Color of Holder B(Black)

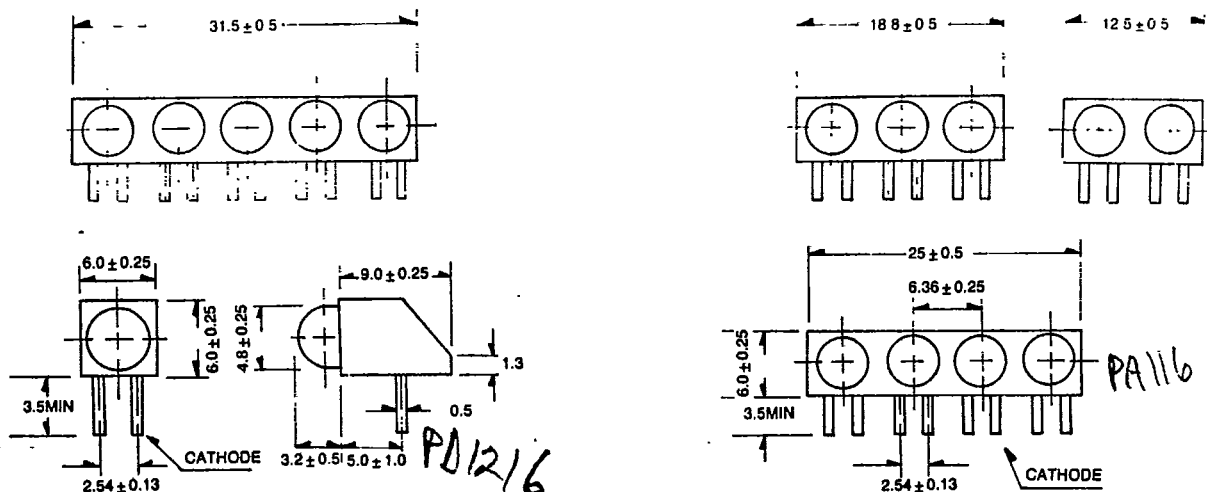
R Red (GaAsP)
H Hi-Efficiency Red (GaP)
I Improved Red (GaAsP/GaP)
G Green (GaP)
Y Yellow (GaAsP/GaP)
A Amber (GaAsP/GaP)
E Orange (GaAsP/GaP)



■ LAMP SPECIFICATIONS:

Lamp Size	Type No. and Remark (*)	Chip		Lens Color	Peak Wave Length λ_p (nm)	Absolute Maximum Ratings				Viewing Angle $2\theta_{1/2}$ (deg)	Electro-Optical Characteristics						
		Material	Emitted Color			$\Delta\lambda$ (nm)	P_o (mW)	I_F (mA)	Peak I_F (mA)		V_F (V)			Rec. I_F (mA)	I_v (mcd)		
											Min.	Typ.	Max.		Min.	Typ.	I_F (mA)
T-1 1/4 4.7mm Round Flangeless 1.0" Lead Length	313RD •	GaAsP	Red	Color	655	40	110	40	200	60	1.5	1.7	2.0	10~20	0.3	0.7	10
	313HD	GaP	Bright Red		697	90	45	15	50	60	1.7	2.1	2.8	5~10	0.5	1.6	9
	313ID	GaAsP/GaP	Hi-Eff. Red		635	45	100	30	160	60	1.7	2.0	2.8	10~20	1.3	5.0	10
	313GD	GaP	Green		565	30	100	30	160	60	1.7	2.1	2.8	10~20	1.3	5.0	9
	313YD	GaAsP/GaP	Yellow		585	35	85	20	160	60	1.7	2.0	2.8	10~20	1.3	5.0	10
	313AD	GaAsP/GaP	Yellow		600	35	85	20	160	60	1.7	2.0	2.8	10~20	1.3	5.0	10
	313ED	GaAsP/GaP	Orange		635	45	100	30	160	60	1.7	2.0	2.8	10~20	1.3	5.0	10

■ PACKAGE DIMENSIONS:



NOTE: 1. All dimensions are in millimeters.

3. Protruded resin under flange 1.5 mm (0.059") Max.

5. All Tolerance is 0.25mm unless otherwise noted.

2. Lead spacing is measured where the leads emerge from the package.

4. L: the whole length of the holder