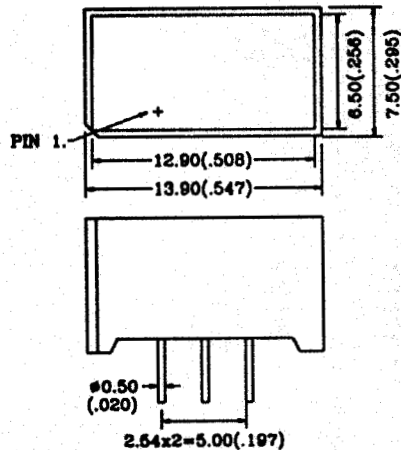


B-1408X series ... **14.0mm x 7.5mm SQUARE LIGHT BAR**

MAIN FEATURES :

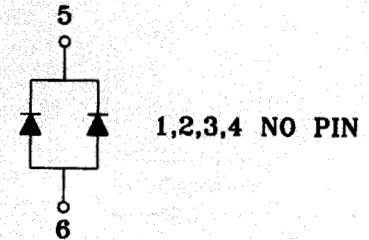
- ⊙ 14.0mm x 7.5mm SQUARE LIGHT BAR
- ⊙ LOW POWER REQUIREMENT
- ⊙ CAN BE USED WITH PANEL AND LEGEND MOUNT
- ⊙ SUITABLE FOR MULTIPLEX OPERATION
- ⊙ EASY MOUNTING ON P.C. BOARD

◆ **PACKAGE DIMENSIONS**

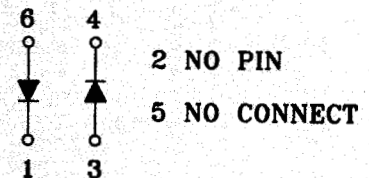


◆ **PIN CONNECTION AND INTERNAL CIRCUIT**

B-1408X-2



B-1408X



NOTES:

1. All Dimension are in millimeter(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.010")$ unless otherwise specified.

◆ **SELECTION GUIDE AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)**

Part No.	Remark 1 Selection of Surface Color	Chip Raw Material	Emitted Color	C.C. or C.A.	Wave Length λ p(nm)	Absolute Maximum Ratings				Electro-Optical Characteristics					
						$\Delta\lambda$ nm	Pd mW	If mA	If (Peak)	Vf(V)			If		Iv(mcd)
B-1408E-2	R	GaAsP/GaP	Hi. effi Red		635	45	100	30	160	1.7	2.0	2.8	10~20	2.5	6.0
B-1408G-2	G	GaP	Green		565	30	100	30	160	1.7	2.1	2.8	10~20	2.0	5.0
B-1408Y-2	E,Y	GaAsP/GaP	Yellow		585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	5.0
B-1408SR-2	R	GaAlAs	Super Red		660	20	60	20	160	1.6	1.8	2.1	10~20	6.0	12.0
B-1408E	R	GaAsP/GaP	Hi. effi Red		635	45	100	30	160	1.7	2.0	2.8	10~20	2.5	6.0
B-1408G	G	GaP	Green		565	30	100	30	160	1.7	2.1	2.8	10~20	2.0	5.0
B-1408Y	E,Y	GaAsP/GaP	Yellow		585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	5.0
B-1408SR	R	GaAlAs	Super Red		660	20	60	20	160	1.6	1.8	2.8	10~20	6.0	12.0

Remark 1 : Selection of Surface color

R : Red Diffused

G : Green Diffused

Y : Yellow Diffused

E : Orange Diffused

W : White Diffused

◆ **ABSOLUTE MAXIMUN RATING: (Ta=25°C)**

Reverse Voltage	5 Volt
Reverse Current(Vr = 5V)	10 μ A
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature	260°C for 5 Seconds
(1.6mm(1/16inch) from body)	

◆ **ELECTRO-OPTICAL CHARACTERISTICS: (Ta=25°C)**

Para meter Description	Symbol	Unit
Spectral Line half-Width	$\Delta\lambda$	nm
Power Dissipation	Pd	mW
Peak Forward Current (Duty 1/10,@KHz)	If(Peak)	mA
Recommended Operation Current	If(Rec)	mA
Average Luminous intensity (If = 10mA)	Iv	mcd