

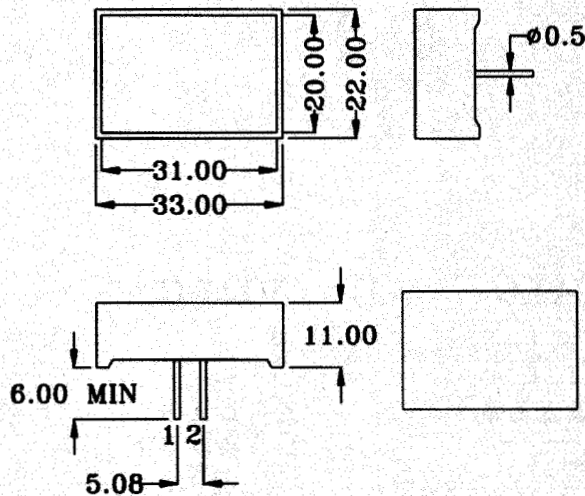
B-2233X series ...
22mm x 33mm RECTANGULAR LIGHT BAR

MAIN FEATURES :

- ⊙ 22mm x 33mm RECTANGULAR 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**

B-2233X

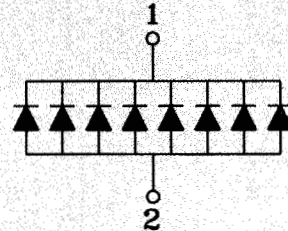


NOTES:

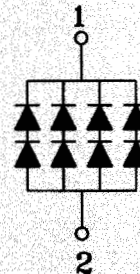
1. All Dimension are in millimeter(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.010")$ unless otherwise specified.

◆ **PIN CONNECTION AND INTERNAL CIRCUIT**

B-2233X



B-2233X-5



◆ **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					
						$\Delta\lambda$	Pd	If	If	Vf(V)			If	Iv(mcd)	
						nm	mW	mA	(Peak)	Min.	Typ.	Max.	(Rec)	Min.	Typ.
B-2233E	R	GaAsP/GaP	Hi. effi Red		635	45	100	30	160	3.4	4.0	5.6	10~20	6.0	16.0
B-2233G	G	GaP	Green		565	30	100	30	160	3.4	4.2	5.6	10~20	6.5	14.0
B-2233Y	E,Y	GaAsP/GaP	Yellow		585	30	100	30	160	3.4	4.2	5.6	10~20	6.5	14.0
B-2233SR	R	GaAlAs	Super Red		660	20	60	20	160	3.4	3.6	4.2	10~20	15.0	32.0
B-2233E-5	R	GaAsP/GaP	Hi. effi Red		635	45	100	30	160	3.4	4.0	5.6	10~20	6.0	16.0
B-2233G-5	G	GaP	Green		565	30	100	30	160	3.4	4.2	5.6	10~20	6.5	14.0
B-2233Y-5	E,Y	GaAsP/GaP	Yellow		585	30	100	30	160	3.4	4.2	5.6	10~20	6.5	14.0
B-2233SR-5	R	GaAlAs	Super Red		660	20	60	20	160	3.4	3.6	4.2	10~20	15.0	32.0

Remark 1 : Selection of Surface color

R : Red Diffused

G : Green Diffused

Y : Yellow Diffused

E : Orange Diffused

W : White Diffused

◆ **ABSOLUTE MAXIMUM 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