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DATA SHEET

PART NO. : B-1408Y

REV : A / 0

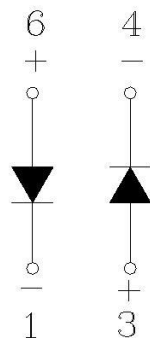
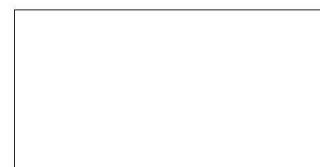
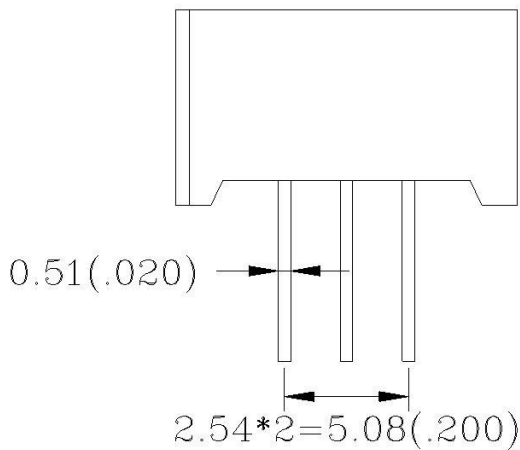
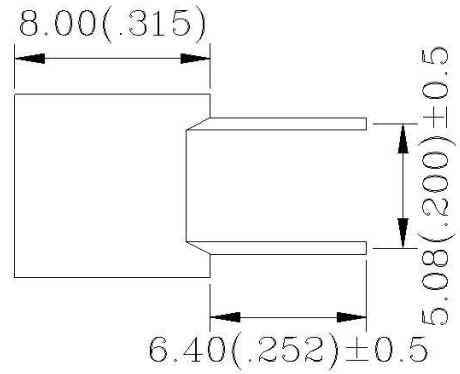
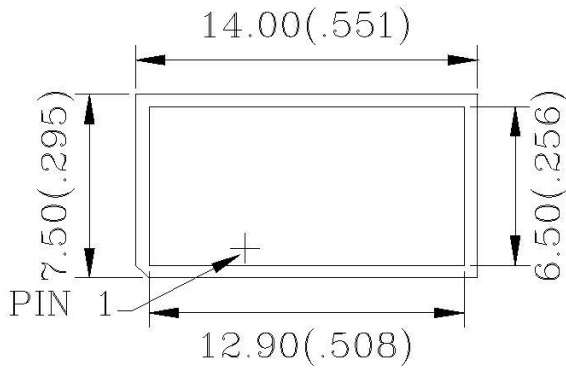
CUSTOMER'S APPROVAL : _____ DCC : _____

DRAWING NO. : DS-17-08-0062

DATE : 2008-09-25

Page : 1

PACKAGE DIMENSIONS



2 NO PIN
5 NO CONNECT

NOTES : 1. All dimensions are in millimeters. (inches)
2. Tolerance is $\pm 0.25(0.010)$ unless otherwise specified.



6.5 mm x 12.9 mm SQUARE LIGHT BAR

B-1408Y

REV:A / 0

FEATURES

- 6.5 X 12.90mm SQUARE LIGHT BAR
- LOW POWER REQUIREMENT
- CAN BE USED WITH PANEL AND LEGEND MOUNT
- SUITABLE FOR MULTIPLEX OPERATION
- EASY MOUNTING ON P.C.B
- Pb FREE PRODUCTS
- ROHS COMPLIANCE
- YELLOW SEGMENTS

Raw Material :GaAsP/GaP

ABSOLUTE MAXIMUM RATING : (Ta = 25°C)

SYMBOL	PARAMETER	YELLOW	UNIT
PD	Power Dissipation Per Bar	60	mW
VR	Reverse Voltage Per Bar	5	V
IAF	Continuous Forward Current Per Bar	20	mA
—	Derating Linear From 25°C Per Bar	0.27	mA/°C
Topr	Operating Temperature Range	-35°C to 85°C Tstg	

Storage Temperature Range

-35°C to 85°C

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

SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage , Per Bar	IF = 20mA		2.1	2.8	V
IR	Reverse Current , Per Bar	VR = 5V			100	µA
λP	Peak Emission Wavelength	IF = 20mA		583		nm
λD	Dominant Wavelength	IF = 20mA		585		nm
Δλ	Spectral Line Half-Width	IF = 20mA		30		nm
IV	Luminous Intensity Per Bar	IF = 10mA	2.0	5.0		mcd

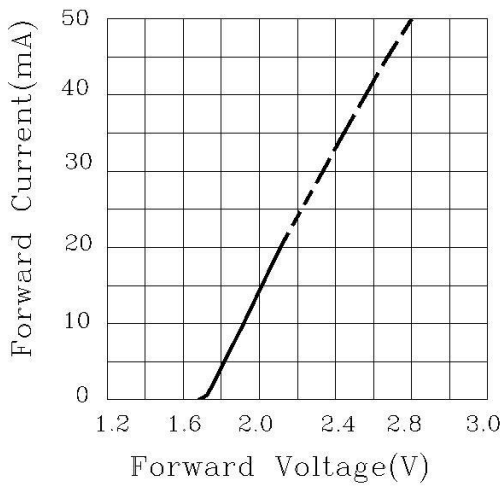


6.5 mm x 12.9 mm SQUARE LIGHT BAR

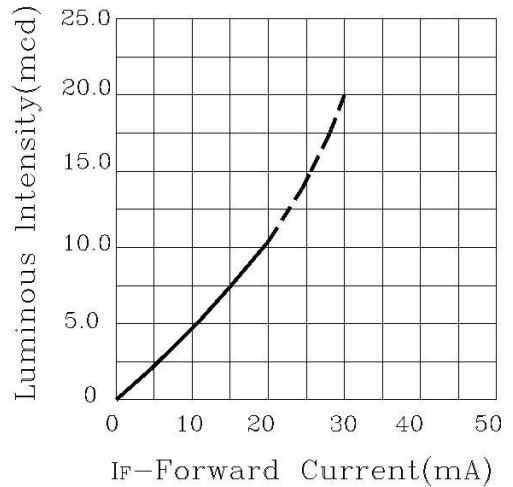
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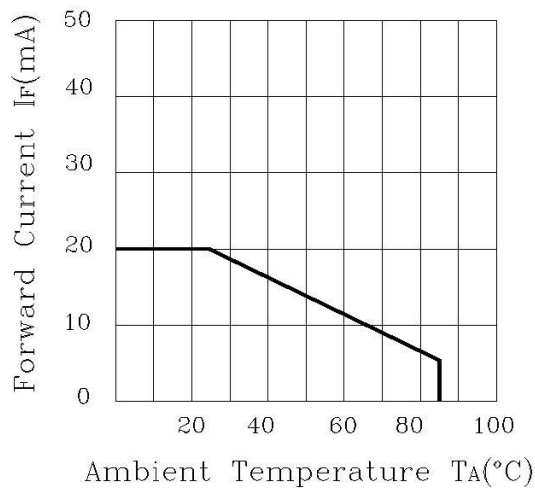
FORWARD CURRENT Vs. FORWARD VOLTAGE



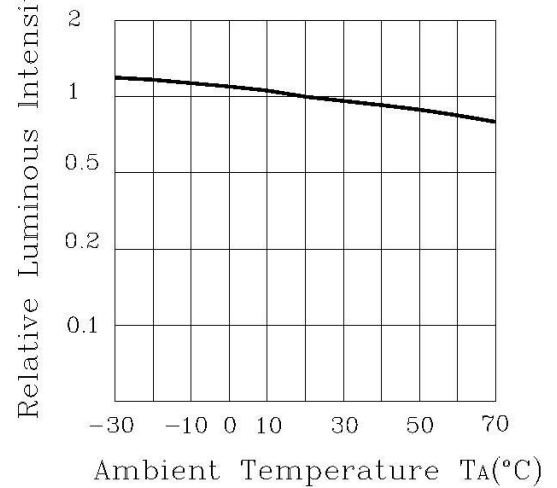
LUMINOUS INTENSITY Vs. FORWARD CURRENT



FORWARD CURRENT DERATING CURVE



LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE



SOLDERING

METHOD	SOLDERING CONDITIONS	REMARK
DIP SOLDERING	Bath temperature: 260 max Immersion time: within 5 sec	Solder no closer than 2mm from the base of the package Using soldering flux, "RESIN FLUX" is recommended.
SOLDERING IRON	Soldering iron: 30W or smaller Temperature at tip of iron: 260°C or lower	During soldering, take care not to press the tip of iron against the PIN.

Soldering time: within 5 sec.

(To prevent heat from being transferred directly to the PIN.)

- 1) When soldering the PIN of Display in a jig that the package is fixed with a panel (See fig.1), be careful not to stress the PIN with iron tip. When soldering Display in a condition that the package is fixed with a panel, be careful not to cling and stress the surface of Display on the panel to avoid damaging the Display.

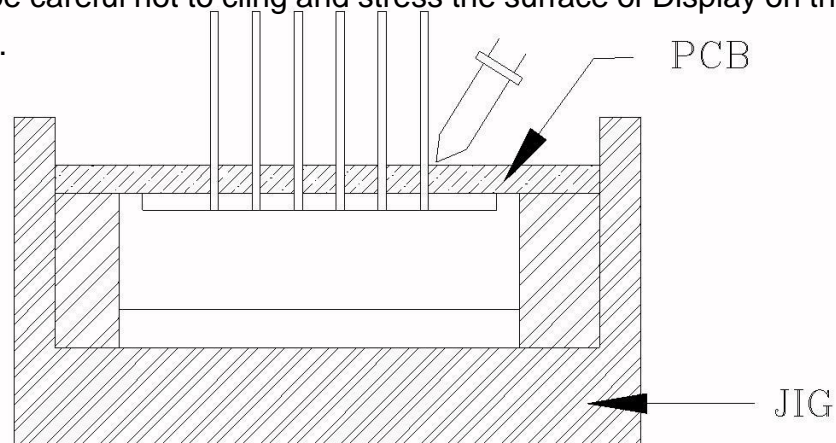


Fig.1

Regarding solution in the tinning oven for product-tinning, compound sub-solution made of tin & copper and silver is proposed with the temperature of Celsius 260. The proportion of the alloyed solution is tin 95.5: copper 3.5: silver 0.5 by percentage. The time of tinning is constantly 3 seconds.