B-4025X & B-4025EG series ...

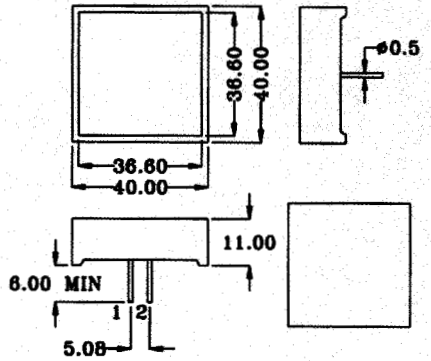
40mm x 40mm SQUARE LIGHT BAR

MAIN FEATURES :

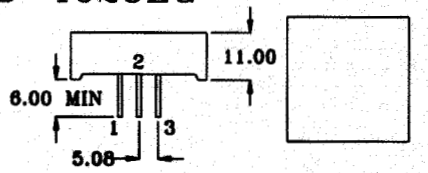
- ⊙ 40mm x 40mm SQUARE LIGHT BAR
- ⊙ LOW POWER REQUIREMENT
- ⊙ CAN BE USED WITH PANEL AND LEGEND MOUNT
- ⊙ SUITABLE FOR MULTIPLEX OPERATION
- ⊙ EASY MOUNTING ON P.C. BOARD

◆PACKAGE DIMENSIONS

B-4025X

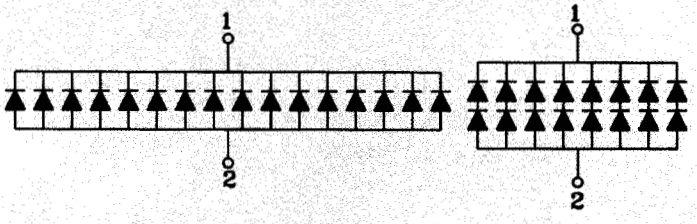


B-4025EG

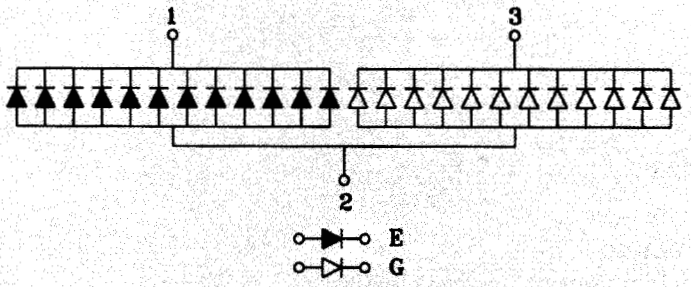


◆PIN CONNECTION AND INTERNAL CIRCUIT

B-4025X B-4025X-5



B-4025EG



NOTES:
1. All Dimension are in millimeter(inches).
2. Tolerance is ±0.25mm(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	Chip Emitted Color	C.C. or C.A.	Wave Length λ p(nm)	Absolute Maximun Ratings △λ nm	Pd mW	If mA	If (Peak)	Electro-Optical Characteristics Vf(V) Min.	Vf(V) Typ.	Vf(V) Max.	If (Rec)	Iv(mcd) Min.	Iv(mcd) Typ.
B-4025E	R	GaAsP/GaP	Hi.effi Red		635	45	100	30	160	1.7	2.0	2.8	10~20	15.0	36.0
B-4025G	G	GaP	Green		565	30	100	30	160	1.7	2.1	2.8	10~20	15.0	30.0
B-4025Y	E,Y	GaAsP/GaP	Yellow		585	30	100	30	160	1.7	2.1	2.8	10~20	15.0	30.0
B-4025SR	R	GaAlAs	Super Red		660	20	60	20	160	1.6	1.8	2.1	10~20	32.0	70.0
B-4025E-5	R	GaAsP/GaP	Hi.effi Red		635	45	100	30	160	3.4	4.0	5.6	10~20	15.0	36.0
B-4025G-5	G	GaP	Green		565	30	100	30	160	3.4	4.2	5.6	10~20	15.0	30.0
B-4025Y-5	E,Y	GaAsP/GaP	Yellow		585	30	100	30	160	3.4	4.2	5.6	10~20	15.0	30.0
B-4025SR-5	R	GaAlAs	Super Red		660	20	60	20	160	3.4	3.6	4.2	10~20	32.0	70.0
B-4025EG	W	GaAsP/GaP	Hi.effi Red	Common	635	45	100	30	160	1.7	2.0	2.8	10~20	15.0	36.0
		GaP	Green	Anode	565	30	100	30	160	1.7	2.1	2.8	10~20	15.0	36.0

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 μA
Operating Temperature Range	: -40°C to +85°C
Storage Temperature Range	: -40°C to +100°C
Lead Soldering Temperature (1.6mm(1/16inch) from body)	: 260°C for 5 Seconds

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

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

75 COLUMBIA • ALISO VIEJO, CA 92656 • PHONE: (949) 360-5830 • FAX: (949)360-5839 • E-MAIL: SALES@AZDISPLAYS.COM