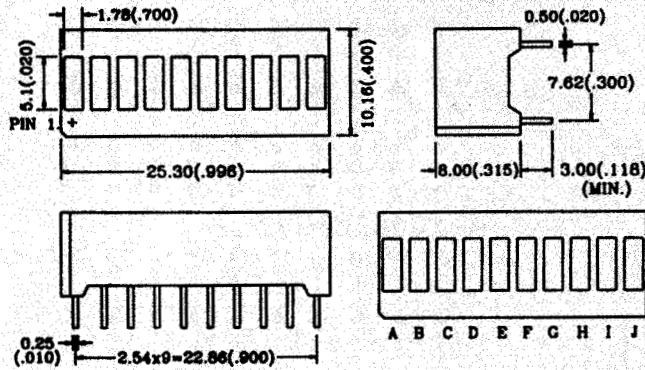


B-1000X series ... 10 BAR GRAPH DISPLAY

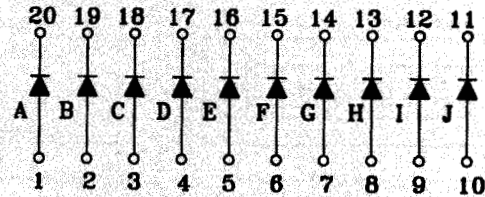
MAIN FEATURES :

- ⊙ 10 BAR GRAPH DISPLAY
- ⊙ EXCELLENT CHARACTER APPEARANCE
- ⊙ COMMON CATHODE AND COMMON ANODE
- ⊙ I.C. COMPATIBLE
- ⊙ LOW POWER CONSUMPTION

◆ PACKAGE DIMENSIONS



◆ PIN CONNECTION AND INTERNAL CIRCUIT



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		Chip	C.C.	Wave	Absolute Maximum Ratings					Electro-Optical Characteristics					Re- mark
	Selection of	Sur / Seg Color	Raw Material	Emitted Color	or C.A.	Length λ p(nm)	$\Delta\lambda$ nm	Pd mW	If mA	If (Peak)	Vf(V)	If (Rec)	Iv (μ cd)	Min.	Typ.	2
B-1000R	GW,BW,BR,RR		GaAsP	Red		655	40	110	40	200	1.5	1.7	2.0	10~20	200	500
B-1000H	GW,BW,BR,RR		GaP	Bright Red		700	90	45	15	50	1.7	2.1	2.8	5~10	300	650
B-1000E	GW,BW,BR,RR		GaAsP/GaP	Hi. eff. Red		635	45	100	30	160	1.7	2.0	2.8	10~20	750	2000
B-1000G	GW,BW,GGn,BGn		GaP	Green		565	30	100	30	160	1.7	2.1	2.8	10~20	750	2000
B-1000Y	GW,BW,GY,BY		GaAsP/GaP	Yellow		585	30	100	30	160	1.7	2.1	2.8	10~20	750	2000
B-1000SR	GW,BW,BR,RR		GaAlAs	Super Red		660	20	60	20	160	1.6	1.8	2.1	10~20	2000	10000

Remark 1 : Selection of Surface color & Segment color

GW : Grey surface & White segment
 BW : Black surface & White segment
 BR : Black surface & Red segment
 RR : Red surface & Red segment

GGn : Grey surface & Green segment
 BGn : Black surface & Green segment
 GY : Grey surface & Yellow segment
 BY : Black surface & Yellow segment

*****Please indicate Surface Color & Segment Color when place order or request samples. *****

For example : B-1000E GW is 10 Bar Graph display with Grey Surface & White Segment.

Normally, GW (Grey surface & White segment) is standard product.

◆ 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	μ cd