10 SEGMENT BAR GRAPH ARRAY

Green
Yellow
High Efficiency Red

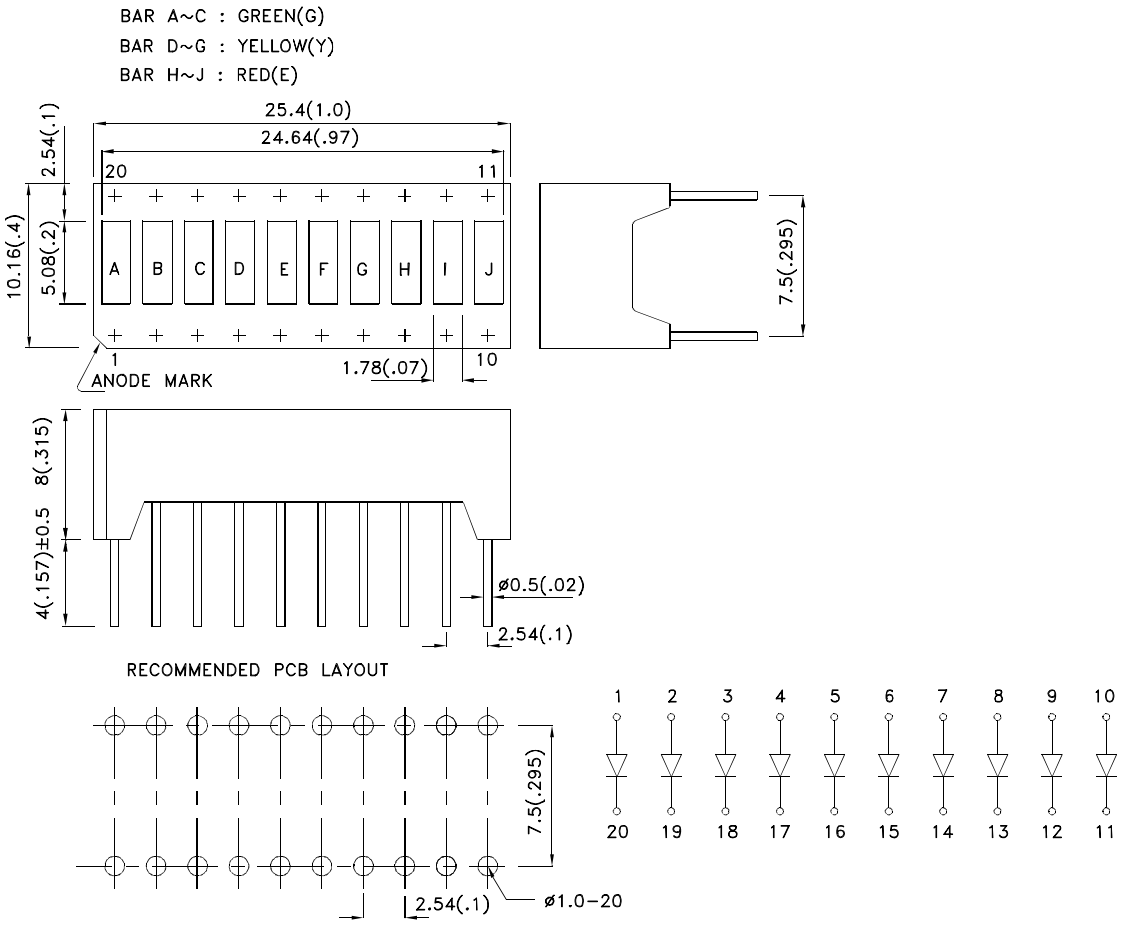
Features

- Suitable for level indicators.
- Low current operation.
- Excellent on/off contrast.
- End stackable.
- Mechanically rugged.
- Standard : gray face, white segment.
- RoHS compliant.

Description

The Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.
The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.
The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



Notes:
1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01")unless otherwise noted.
2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Selection Guide

			Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
	Green (GaP)	WHITE DIFFUSED	3000	16000	10 Segments Bargraph -Display 3 X Green 4 X Yellow 3 X High Efficiency Red
	Yellow (GaAsP/GaP)		1900	9000	
	High Efficiency Red (GaAsP/GaP)		1900	9000	

Note:
1. Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Green Yellow High Efficiency Red	565 590 627		nm	I_F=20mA
λD [1]	Dominant Wavelength	Green Yellow High Efficiency Red	568 588 625		nm	I_F=20mA
Δλ1/2	Spectral Line Half-width	Green Yellow High Efficiency Red	30 35 45		nm	I_F=20mA
C	Capacitance	Green Yellow High Efficiency Red	15 20 15		pF	V_F=0V;f=1MHz
V_F [2]	Forward Voltage	Green Yellow High Efficiency Red	2.2 2.1 2.0	2.5 2.5 2.5	V	I_F=20mA
I_R	Reverse Current	Green Yellow High Efficiency Red		10 10 10	uA	V_R=5V

Notes:
1.Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	Green	Yellow	High Efficiency Red	Units
Power dissipation	62.5	75	75	mW
DC Forward Current	25	30	30	mA
Peak Forward Current [1]	140	140	160	mA
Reverse Voltage	5			V
Operating/Storage Temperature	-40°C To +85°C			
Lead Solder Temperature [2]	260°C For 3-5 Seconds			

Notes:
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.