Kingbright®

10 SEGMENT BAR GRAPH ARRAYS

DC-10E DC-10G DC-7G3H DC-10Y DC-10SR

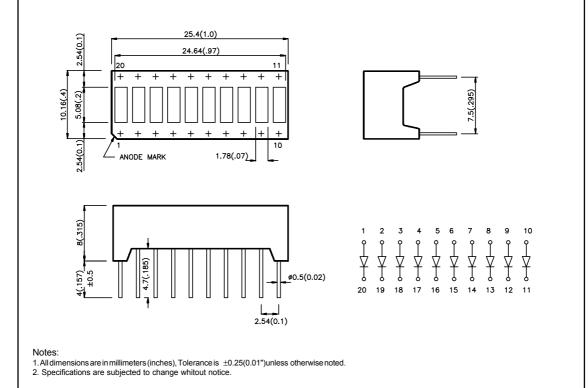
Features

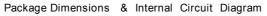
- •SUITABLE FOR LEVEL INDICATORS.
- •LOW CURRENT OPERATION.
- •EXCELLENT ON/OFF CONTRAST.
- •WIDE VIEWING ANGLE.
- •END STACKABLE.
- •MECHANICALLY RUGGED.
- •BI-COLOR VERSION AVAILABLE.
- •DIFFERENT COLORS IN ONE UNIT AVAILABLE.

Description

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

Gallium Aluminum Arsenide Red Light Emitting Diode.





Selection Guide	Dice		ucd)) mA		
Fait NO.		Min.	Max.	Description	
DC-10EWA	HIGH EFFICIENCY RED (GaAsP/GaP)	2200	5600	10 Segments Bargraph-Display	
DC-10GWA	GREEN (GaP)	2200	5600		
DC-10YWA	YELLOW (GaAsP/GaP)	2200	5600		
DC-10SRWA	SUPER BRIGHT RED (GaAlAs)	5600	31000		
DC-7G3HWA	GREEN (GaP)	2200	5600		
	BRIGHT RED (GaP)	900	2200		

Electrical / Optical Characteristics at T $_{\text{A}}\text{=}25^{\circ}\text{C}$

Symbol	Parameter	Device	Тур.	Max.	Unit	Test Conditions
λpeak	Peak Wavelength	Bright Red High Efficiency Red Green Yellow Super Bright Red	700 625 565 590 660		nm	IF=20mA
Δλ1/2	Spectral Line Halfwidth	Bright Red High Efficiency Red Green Yellow Super Bright Red	45 45 30 35 20		nm	IF=20mA
С	Capacitance	Bright Red High Efficiency Red Green Yellow Super Bright Red	40 12 45 10 95		pF	VF=0V;f=1MHz
VF	Forward Voltage	Bright Red High Efficiency Red Green Yellow Super Bright Red	2.0 2.0 2.2 2.1 1.85	2.5 2.5 2.5 2.5 2.5 2.5	V	IF=20mA
I _R	Reverse Current	All	10		uA	VR = 5V

