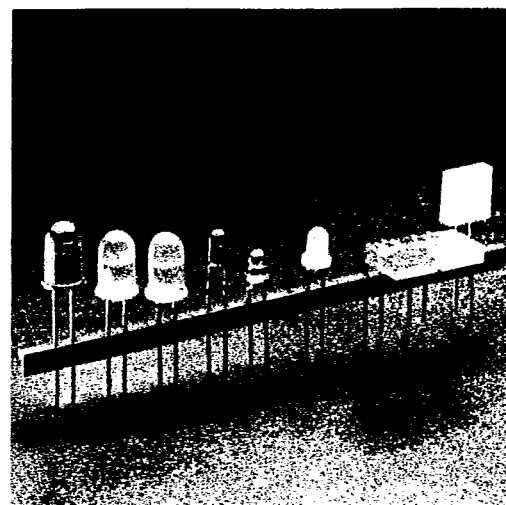


VBA Series PC Board Mount LED Bar™*

PC Board Mount LED Assemblies T-41-21



Special Features

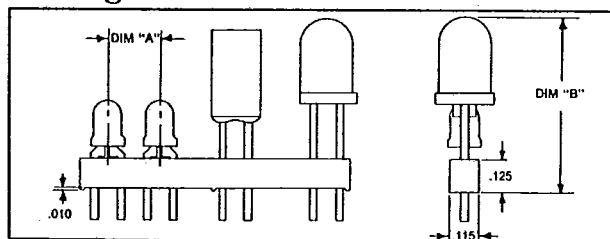
***Patent Pending**

- Customized to your specifications
 - Variable LED spacing, maximum bar length — 4"
 - Color combinations available at no extra cost
 - Assembly heights built to your specifications without tooling charges
- Any size, color or type LED can be used — Hi-efficiency T1 and T1 3/4 LEDs, 2mA T1 and T1 3/4 LEDs and 2mm x 5mm rectangular LEDs are standard
- Bar provides consistent LED alignment and one-step PC board mounting
- Bottom standoff facilitates board washing
- Wave solderable and chemically cleanable
- Polarity identification on bar
- Removable stabilizing foot available

Electrical and Optical Characteristics (TA = 25°C)

LED Code	LED Type/ Source Color	Forward Voltage IF = 10 mA		Reverse Voltage IF = 100 μ A Min.	Avg. Forward Current @ 25°C Max. (mA)	Luminous Intensity (mcd) IF = 10 mA		Peak Wavelength (nm)	Lens Color
		Typ.	Max.			Min.	Typ.		
YO	T1 Hi-Eff Yellow	2.2	3.0	5.0	20	2.0	3.0	583	Yellow Diffused
RO	T1 Hi-Eff Red	2.2	3.0	5.0	25	2.0	2.5	635	Red Diffused
GO	T1 Hi-Eff Green	2.3	3.0	5.0	25	1.0	2.0	565	Green Diffused
YT	T1 3/4 Hi-Eff Yellow	2.2	3.0	5.0	20	4.0	8.0	583	Yellow Diffused
RT	T1 3/4 Hi-Eff Red	2.2	3.0	5.0	25	4.0	7.0	635	Red Diffused
GT	T1 3/4 Hi-Eff Green	2.3	3.0	5.0	25	8.0	11.0	565	Green Diffused
OT	T1 3/4 Hi-Eff Orange	2.2	3.0	5.0	25	4.0	7.0	612	Orange Diffused
		Forward Voltage IF = 20 mA				Luminous Intensity (mcd) IF = 20 mA			
		Typ.	Max.			Min.	Typ.		
RY	2mm x 5mm Rectangular Yellow	2.2	3.0	5.0	20	2.2	3.5	583	Yellow Diffused
RR	2mm x 5mm Rectangular Red	2.2	3.0	5.0	25	3.4	4.8	635	Red Diffused
RG	2mm x 5mm Rectangular Green	2.3	3.0	5.0	25	4.1	5.8	565	Green Diffused
RE	2mm x 5mm Rectangular Orange	2.2	3.0	5.0	25	3.4	4.8	612	Orange Diffused
		Forward Voltage IF = 2mA DC		Reverse Voltage • IF = 50 A Min.	DC and Peak Forward Current Max. (mA)	Luminous Intensity (mcd) IF = 2mA DC			
		Typ.	Max.			Min.	Typ.		
ZO	T1 2mA Yellow	1.9	2.7	5.0	7	1.0	1.6	583	Yellow Diffused
SO	T1 2mA Red	1.8	2.2	5.0	7	1.0	1.8	635	Red Diffused
HO	T1 2mA Green	1.8	2.2	5.0	7	1.0	1.6	565	Green Diffused
ZT	T1 3/4 2mA Yellow	1.9	2.7	5.0	7	1.2	1.8	583	Yellow Diffused
ST	T1 3/4 2mA Red	1.8	2.2	5.0	7	1.2	2.0	635	Red Diffused
HT	T1 3/4 2mA Green	1.8	2.2	5.0	7	1.2	1.8	565	Green Diffused

Package Dimensions



How To Order

X	V	B	X	X	—	X	X	X	—	X	X	X	X
Number of LEDs Per Bar	LED Type/Color (See Codes) Use MC for Multiple Colors					Center to Center Spacing of LEDs in Inches - If varied spacing used SPL (Ref: Dim. A)					Max. Assembly Height off PC Board in Inches (Ref: Dim. B)		

Note: Also available in water clear (non-diffused), bi-color, 5V and ultrabright diffused LEDs.

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