

## Special Features

- Customized to your specifications without tooling charges
  - Variable LED spacing, minimum .180" (4.57 mm)
  - Maximum bar length 6.0" (152.4 mm)
- Available with 2 to 33 T1 LEDs in one convenient assembly
- Bar provides consistent alignment for multiple LED mounting
- Wave solderable and chemically cleanable
- Housing and bar material UL 94V-O rated

\*Patented

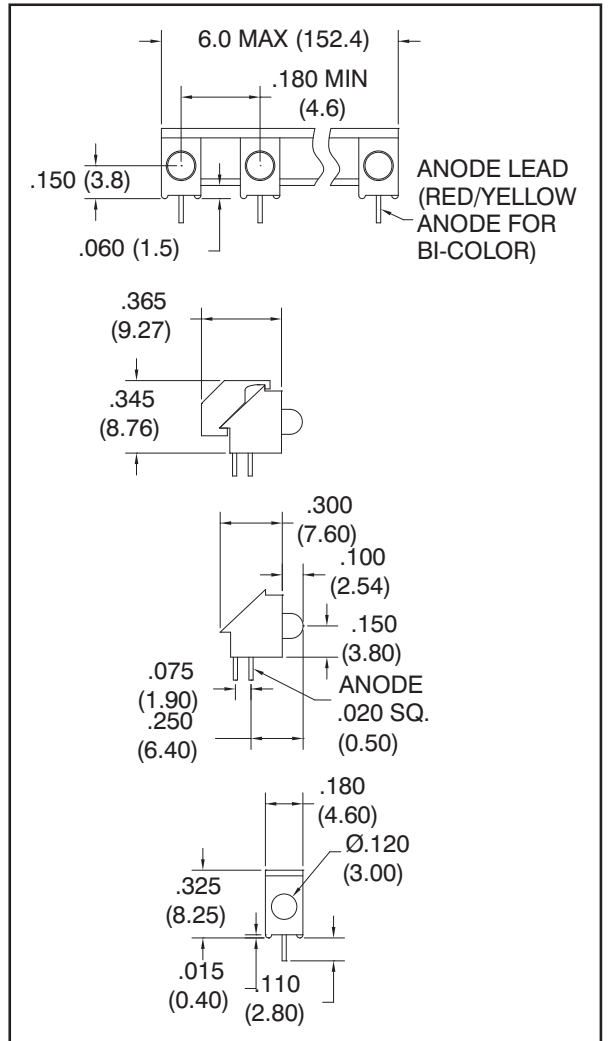


3mm PC Board Mount LEDs

## Electrical and Optical Characteristics (TA = 25°C)

LED Part #	Color	Luminous Intensity (mcd) Typ. @ I <sub>f</sub> (mA)		V <sub>f</sub> Typ. @ I <sub>f</sub> (mA)		Viewing Angle 2θ ½	Peak Wavelength (nm)
<b>HIGH EFFICIENCY</b>							
1300	Yellow	6.0	10	2.0	10	60°	583
1301	Red	5.5	10	1.9	10	60°	635
1302	Green	5.0	10	2.1	10	60°	565
1313	Orange	5.5	10	1.9	10	60°	600
<b>LOW CURRENT</b>							
1303	Red	2.1	2	1.7	2	50°	635
1304	Yellow	2.1	2	1.8	2	50°	583
1305	Green	2.3	2	1.9	2	50°	565
<b>BICOLOR (2 leaded)</b>							
8901	Red	20.0	20	2.0	20	60°	627
	Green	16.0	20	2.2	20		565
8903	Yellow	7.0	20	2.1	20	60°	590
	Green	16.0	20	2.2	20		565
<b>BLUE</b>							
8310	Blue	1100	20	3.3	20	30°	468
<b>ULTRA BRIGHT</b>							
1310	Red	55.0	20	1.9	20	45°	635
1311	Yellow	45.0	20	2.1	20	45°	583
1312	Green	45.0	20	2.2	20	45°	565
1315	Red	45.0	20	1.8	20	60°	645
<b>SUPER ULTRA BRIGHT</b>							
8306	Green	150.0	20	2.2	20	50°	565
8312	Yellow	700.0	20	2.0	20	50°	590
8313	Red	800.0	20	1.85	20	50°	660
<b>WHITE</b>							
1331	White	1600	20	3.3	20	34°	N/A

## Package Dimensions



All dimensions are in inches (mm)  
Standard polarity shown in drawing: Cathode to back

## How To Order

<p><b>Individual RA LEDs</b></p> <p>RA    <b>x</b>    -    <b>xxxx - 7400</b></p> <p>LED         See LED Part #</p> <p>Color     </p> <p>Red=R</p> <p>Yellow=Y</p> <p>Green=G</p> <p>Orange=O</p> <p>Blue=L</p> <p>Bicolor=B</p> <p>White=W</p>	<p><b>Multiple RA LEDs on a Bar</b></p> <p>RA    <b>x</b>    -    <b>xxxx</b>    -    <b>xxx</b>    -    <b>7400</b></p> <p># of LEDs         LED Part#         Center to Center</p> <p>Per Bar         (Use MCOO         Spacing of LEDs</p> <p>                       for multiple         in inches</p> <p>                       colors)         (If spacing varies</p> <p>                       use SPL)</p> <p>LED         R=Red</p> <p>Color         Y=Yellow</p> <p>               G=Green</p> <p>               O=Orange</p> <p>               L=Blue</p> <p>               B=Bicolor</p> <p>               W=White</p> <p>               M=Multiple</p>
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