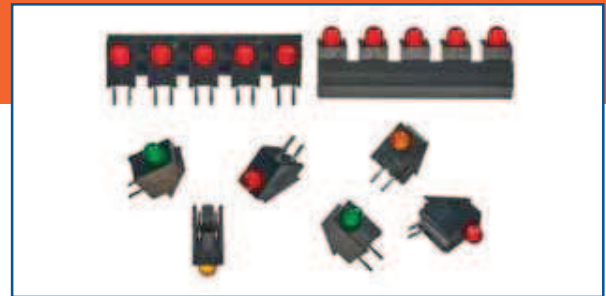


## Special Features

- 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

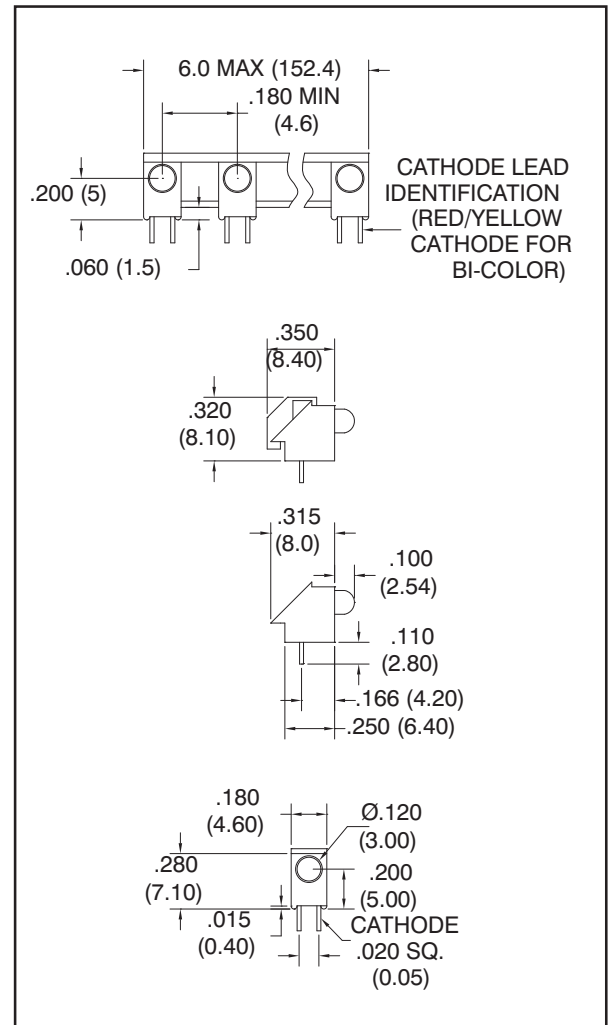


3mm PC Board Mount LED

## 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 right

## How To Order

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