

4000/3000 Series LED Indicator

Special Features

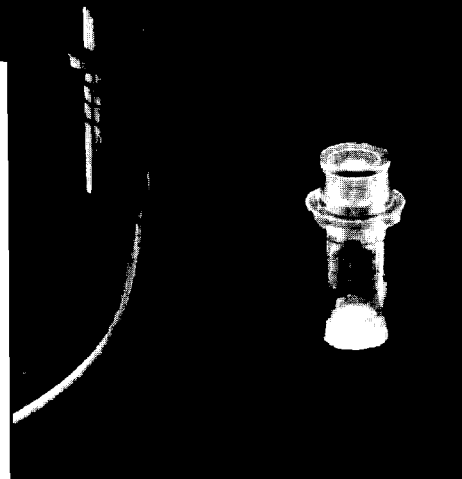
- Ultra-miniature size
- One piece body and lens construction—available in red, green, blue, amber and clear butyrate plastic
- Front mounting ribbed body “snaps into” panel—no mounting hardware required
- Available in smooth body for thinner panel application; mounts with tinnerman nut
- Solid state reliability
- Sealed against moisture and dust—water resistant
- Optional internal resistor

Specifications

- Mounting hole: .187" (4.75)
- Termination: 26 AWG 4" red (anode) and black (cathode) leads stripped to 1/4" standard; Custom lead lengths and colors available
- Optional bi-pin available
- DC Voltage range 2 volts to 28 volts at 10 mA (utilizing internal resistor)

Electrical and Optical Characteristics ($T_A=25^\circ\text{C}$)

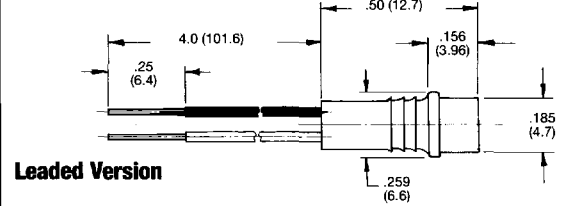
LED Part#	Color	Luminous Intensity (mcd) Typ. @ I _F (mA)		V _F Typ. @ I _F (mA)		Viewing Angle 2Θ ½	Peak Wavelength (mm)	More LED Data Page#
HIGH EFFICIENCY								
1300	Yellow	6.0	10	2.0	10	60°	583	21
1301	Red	5.5	10	1.9	10	60°	635	21
1302	Green	5.0	10	2.1	10	60°	565	21
1313	Orange	5.5	10	1.9	10	60°	600	21
LOW CURRENT								
1303	Red	2.1	2	1.8	2	50°	635	22
1304	Yellow	1.6	2	1.9	2	50°	583	22
1305	Green	2.1	2	1.8	2	50°	565	22
BLUE								
8310	Blue	25.0	20	4.5	20	60°	430	30
8311	Blue	55.0	20	4.5	20	20°	430	30
BICOLOR								
8901	Red	20.0	20	2.0	20	60°	625	27
	Green	20.0	20	2.2	20		565	
8903	Yellow	10.0	20	2.1	20	60°	590	27
	Green	20.0	20	2.2	20		565	
ULTRA BRIGHT								
1310	Red	45.0	20	1.9	20	45°	635	21
1311	Yellow	45.0	20	2.1	20	45°	583	21
1312	Green	45.0	20	2.2	20	45°	565	21
1315	Red	45.0	20	1.8	20	60°	645	21
SUPER ULTRA BRIGHT								
8306	Green	200.0	20	2.2	20	50°	565	29
8312	Yellow	700.0	20	2.0	20	50°	595	29
8313	Red	800.0	20	1.85	20	50°	660	29



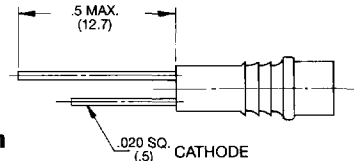
3mm Panel Mount LED Assemblies

Package Dimensions

4000 Series/3000 Series



Leaded Version



Bi-pin Version

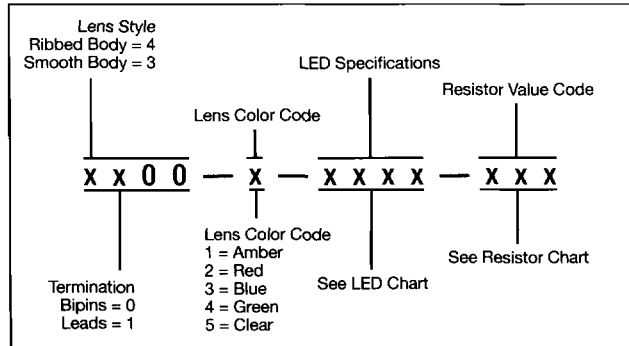
All Dimensions are in inches (mm)

Resistor Chart

OPERATING SPECIFICATIONS

Resistor Value Code	Voltage	Current (mA)	Internal Resistor (Ohms)
001	2	10 or 20	none
002	5	10	330
003	6	10	390
004	10	10	820
005	12	10	1000
006	15	10	1300
007	28	5	5100
014	2	2	none

How To Order



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LED
DIVISION