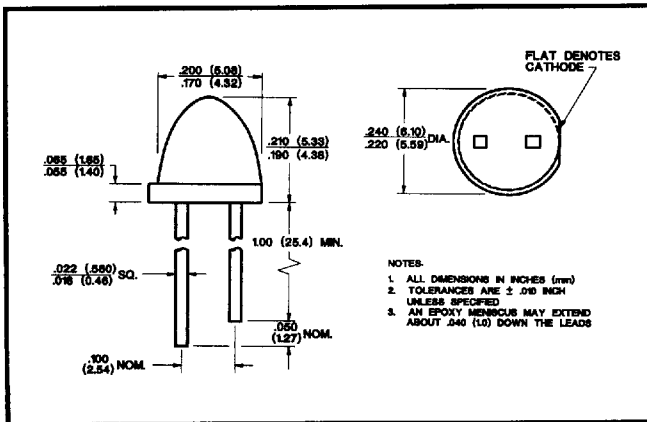




## T-1<sup>3</sup>/<sub>4</sub> Low Profile LED Lamps

### DESCRIPTION AND FEATURES

4  
Solid State  
Products



These low profile T-1<sup>3</sup>/<sub>4</sub> lamps are available in a variety of color and lens effects providing a versatile package for many applications.

### ELECTRO-OPTICAL CHARACTERISTICS

| Part Number | Emitted Color | Lens Color | Package Type | Luminous Intensity |          |    | Forward Voltage |      |    | Capacitance<br>pF<br>Vr=0, f=1MHz | Peak Wavelength<br>(nm) | View Angle<br>(Degrees) |
|-------------|---------------|------------|--------------|--------------------|----------|----|-----------------|------|----|-----------------------------------|-------------------------|-------------------------|
|             |               |            |              | Min. mcd           | Typ. mcd | mA | Typ.            | Max. | mA |                                   |                         |                         |
| CMD50152    | Red           | Red        | Non-Diffused | 0.6                | 2.0      | 10 | 1.6             | 2.0  | 10 | 30                                | 660                     | 45                      |
| CMD50154    | Red           | Red        | Diffused     | 0.4                | 1.5      | 10 | 1.6             | 2.0  | 10 | 30                                | 660                     | 50                      |
| CMD53152    | Yellow        | Yellow     | Non-Diffused | 3.0                | 10.0     | 10 | 2.1             | 3.0  | 10 | 45                                | 585                     | 45                      |
| CMD53154    | Yellow        | Yellow     | Diffused     | 1.5                | 8.0      | 10 | 2.1             | 3.0  | 10 | 45                                | 585                     | 50                      |
| CMD54152    | H.E. Green    | Green      | Non-Diffused | 2.5                | 15.0     | 10 | 2.2             | 3.0  | 10 | 20                                | 565                     | 45                      |
| CMD54154    | H.E. Green    | Green      | Diffused     | 2.0                | 12.0     | 10 | 2.2             | 3.0  | 10 | 20                                | 565                     | 50                      |
| CMD57152    | H.E. Red      | Orange     | Non-Diffused | 4.0                | 10.0     | 10 | 2.0             | 3.0  | 10 | 45                                | 630                     | 45                      |
| CMD57154    | H.E. Red      | Orange     | Diffused     | 2.0                | 8.0      | 10 | 2.0             | 3.0  | 10 | 45                                | 630                     | 50                      |

### ABSOLUTE MAXIMUM RATINGS

|                                                                    | Std. Red    | H.E. Red<br>Yellow | H.E. Green  | Units   |
|--------------------------------------------------------------------|-------------|--------------------|-------------|---------|
| Power Dissipation .....                                            | 180         | 105                | 105         | mW      |
| Storage/Operating Temperature .....                                | -55 to +100 | -55 to +100        | -55 to +100 | °C      |
| Lead Solder Time at 260°C .....                                    | 5           | 5                  | 5           | Seconds |
| Peak Forward Current (1 micro second pulse, 0.3% Duty Cycle) ..... | 1000        | 1000               | 90          | mA      |
| Reverse Voltage (IR = 100µA) .....                                 | 5.0         | 5.0                | 5.0         | V       |
| Average Forward Current .....                                      | 35          | 35                 | 35          | mA      |

### TYPICAL CHARACTERISTIC CURVES

