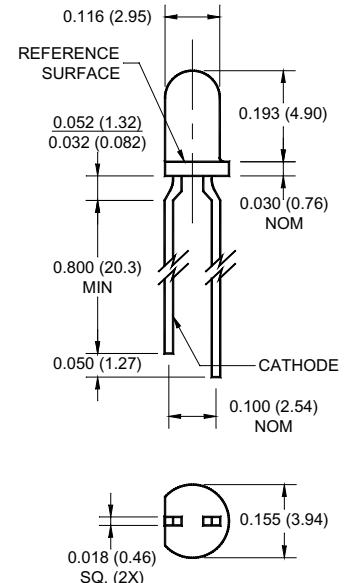


# Plastic Light Emitting Diodes

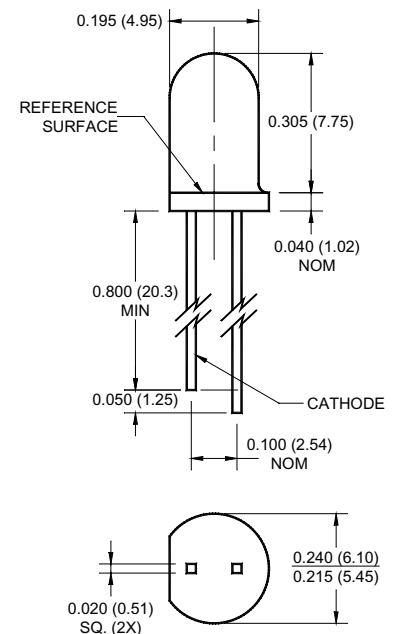
## T-1 (3 mm) Diode Package



All dimensions are in inches (millimeters)

| Part Number | $I_e$ @ 100 mA $I_F$<br>(mW/sr) |     | $V_F$ @ 100 mA $I_F$<br>(V) | $I_R$ @ 5 V $V_R$<br>( $\mu$ A) | Emission Angle<br>in Degrees ( $^\circ$ )<br>@ 1/2 Power | Wavelength<br>(nm)<br>$\lambda_p$ |
|-------------|---------------------------------|-----|-----------------------------|---------------------------------|----------------------------------------------------------|-----------------------------------|
|             | min                             | max | max                         | max                             |                                                          |                                   |
| QEC112      | 6                               | 30  | 1.7                         | 10                              | 24                                                       | 940                               |
| QEC113      | 14                              | –   | 1.7                         | 10                              | 24                                                       | 940                               |
| QEC121      | 14                              | –   | 1.9                         | 10                              | 16                                                       | 880                               |
| QEC122      | 27                              | 80  | 1.9                         | 10                              | 16                                                       | 880                               |
| QEC123      | 39                              | –   | 1.9                         | 10                              | 16                                                       | 880                               |

## T-1 3/4 (5 mm) Diode Package



All dimensions are in inches (millimeters)

| Part Number | $I_e$ @ 100 mA $I_F$<br>(mW/sr) |     | $V_F$ @ 100 mA $I_F$<br>(V) | $I_R$ @ 5 V $V_R$<br>( $\mu$ A) | Emission Angle<br>in Degrees ( $^\circ$ )<br>@ 1/2 Power | Wavelength<br>(nm)<br>$\lambda_p$ |
|-------------|---------------------------------|-----|-----------------------------|---------------------------------|----------------------------------------------------------|-----------------------------------|
|             | min                             | max | max                         | max                             |                                                          |                                   |
| QED233      | 10                              | 50  | 1.6                         | 10                              | 40                                                       | 940                               |
| QED234      | 27                              | –   | 1.6                         | 10                              | 40                                                       | 940                               |
| QED633      | 15                              | –   | 1.6                         | 10                              | 55                                                       | 940                               |
| QED634      | 20                              | –   | 1.6                         | 10                              | 55                                                       | 940                               |
| QED121      | 16                              | 40  | 1.9                         | 10                              | 18                                                       | 880                               |
| QED122      | 32                              | 100 | 1.9                         | 10                              | 18                                                       | 880                               |
| QED123      | 50                              | –   | 1.9                         | 10                              | 18                                                       | 880                               |
| QED221      | 10                              | 20  | 1.9                         | 10                              | 40                                                       | 880                               |
| QED222      | 16                              | 32  | 1.9                         | 10                              | 40                                                       | 880                               |
| QED223      | 25                              | –   | 1.9                         | 10                              | 40                                                       | 880                               |