

Selection Guide

| Part No. | Dice | Lens Type | Iv (mcd) [2] @ 20mA | | Viewing Angle [1] |
|---------------|---------------------------------|----------------|------------------------|------|----------------------|
| | | | Min. | Typ. | 2θ1/2 |
| WP917CK/4EGWT | HIGH EFFICIENCY RED (GaAsP/GaP) | WHITE DIFFUSED | 4 | 10 | 100° |
| | GREEN (GaP) | | 4 | 10 | |

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
2. Luminous Intensity / Luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-----------------------|--------------------------|------------------------------|------------|------------|-------|---------------------------|
| λ_{peak} | Peak Wavelength | High Efficiency Red Green | 627 565 | | nm | I _F =20mA |
| λ_D [1] | Dominant Wavelength | High Efficiency Red Green | 625 568 | | nm | I _F =20mA |
| $\Delta\lambda_{1/2}$ | Spectral Line Half-width | High Efficiency Red Green | 45 30 | | nm | I _F =20mA |
| C | Capacitance | High Efficiency Red Green | 15 15 | | pF | V _F =0V;f=1MHz |
| V _F [2] | Forward Voltage | High Efficiency Red Green | 2.0 2.2 | 2.5 2.5 | V | I _F =20mA |

Notes:

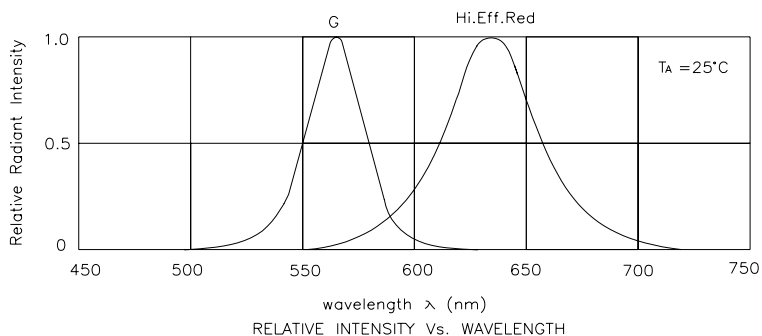
1. Forward Voltage: +/-0.1V
2. Wavelength: +/-1nm

Absolute Maximum Ratings at TA=25°C

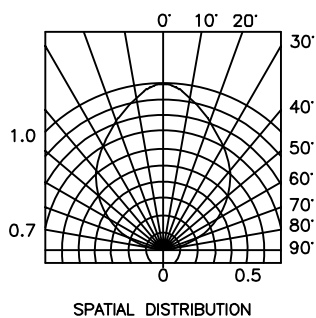
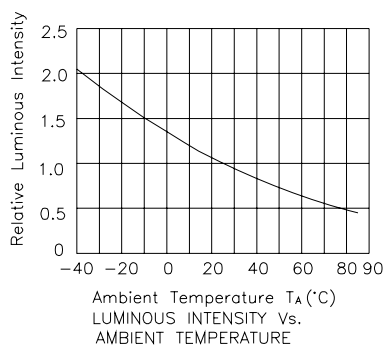
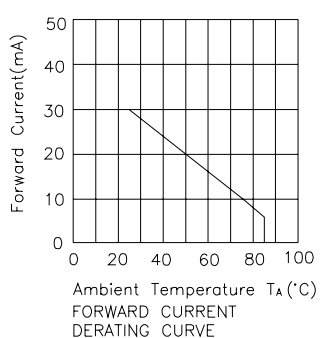
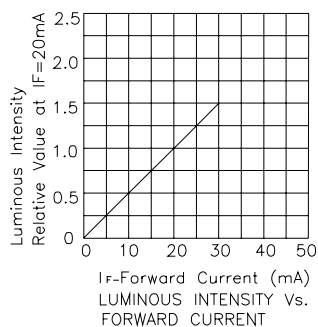
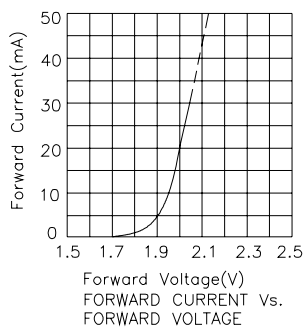
| Parameter | High Efficiency Red | Green | Units |
|-------------------------------|---------------------|-------|-------|
| Power dissipation | 75 | 62.5 | mW |
| DC Forward Current | 30 | 25 | mA |
| Peak Forward Current [1] | 160 | 140 | mA |
| Operating/storage Temperature | -40°C To +85°C | | |
| Lead Solder Temperature [2] | 260°C For 3 Seconds | | |
| Lead Solder Temperature [3] | 260°C For 5 Seconds | | |

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.
3. 5mm below package base.

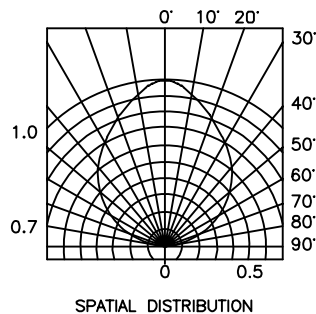
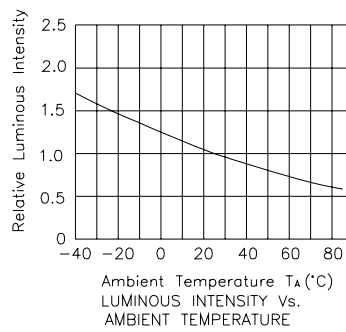
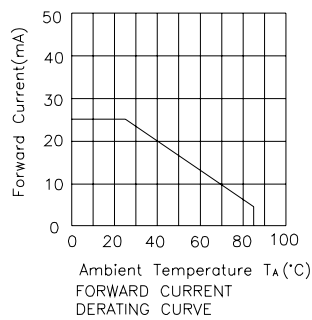
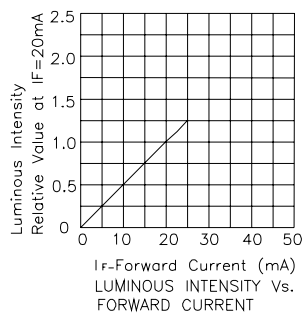
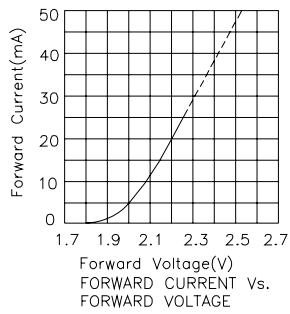


L-937EGW High Efficiency Red



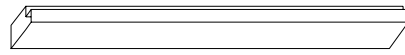
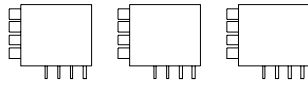
Kingbright

Green

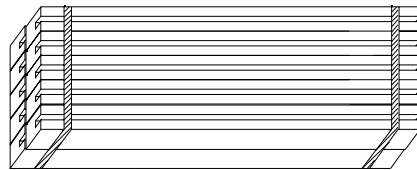


PACKING & LABEL SPECIFICATIONS

WP917CK/4EGWT



66PCS / IC TUBE




660pcs / 10pcs IC TUBE



OUTSIDE LABEL

7.92 K / 10# BOX

| | | | | |
|---|--|----|------------|--------|
| Kingbright | | | | |
| Q.C. | <table border="1"> <tr> <td style="text-align: center;">QC</td> </tr> <tr> <td style="text-align: center;">xx xx xxxx</td> </tr> <tr> <td style="text-align: center;">PASSED</td> </tr> </table> | QC | xx xx xxxx | PASSED |
| QC | | | | |
| xx xx xxxx | | | | |
| PASSED | | | | |
| TYPE NO : WP917CK/4XXX | | | | |
| QUANTITY : 660 pcs | | | | |
| S/N : XXX | CODE: XXXX | | | |
| LOT NO  xx-xxxxxx | | | | |
| MADE IN CHINA | RoHS Compliant | | | |