

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. 01/2 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:

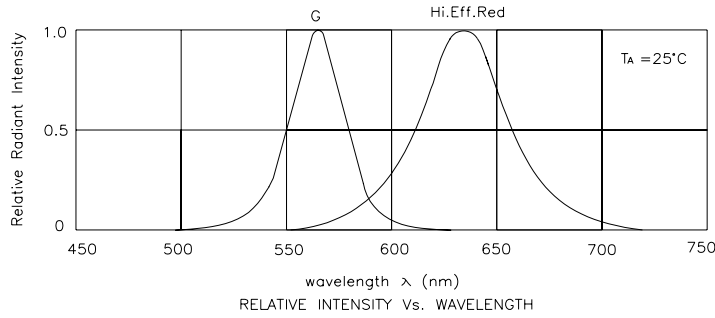
1. Forward Voltage: +/-0.1V
2. Wavelength: +/-1nm

Absolute Maximum Ratings at TA=25°C

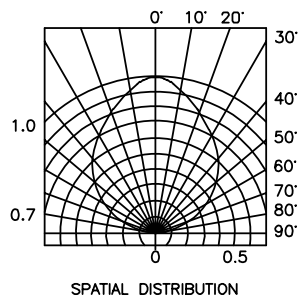
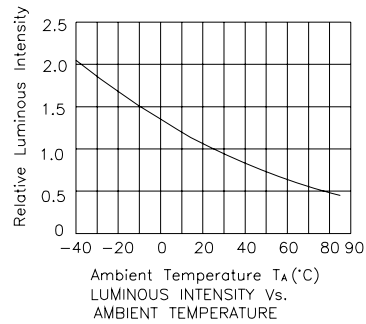
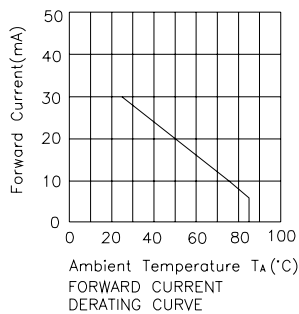
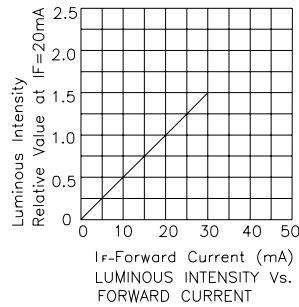
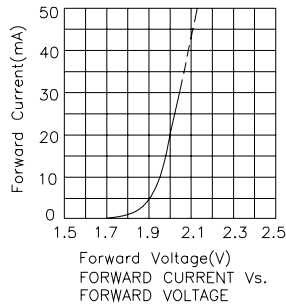
Parameter	High Efficiency Red	Green	Units
Power dissipation	75	62.5	mW
DC Forward Current	30	25	mA
Peak Forward Current [1]	160	140	mA
Operating/storage Temperature	-40°C To +85°C		
Lead Solder Temperature [2]	260°C For 3 Seconds		
Lead Solder Temperature [3]	260°C For 5 Seconds		

Notes:

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

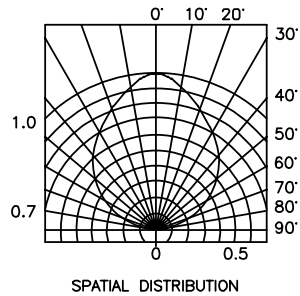
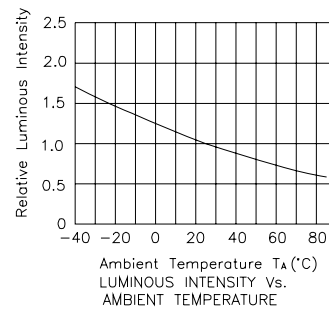
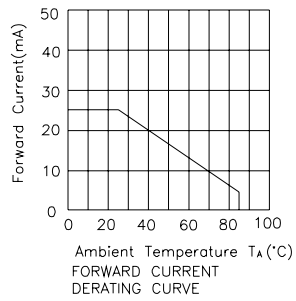
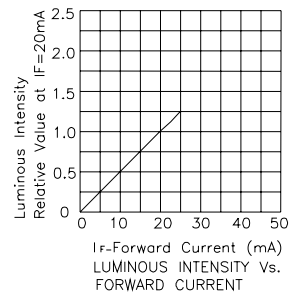
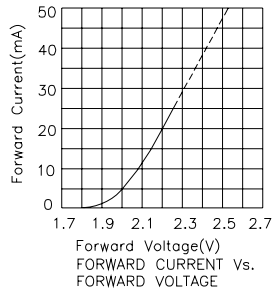


L-937EGW High Efficiency Red



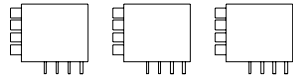
Kingbright

Green

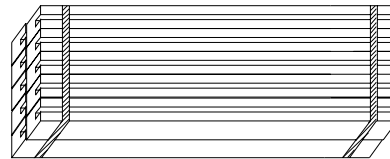


PACKING & LABEL SPECIFICATIONS

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 				
MADE IN CHINA	RoHS Compliant			