

Selection Guide

Part No.	Dice	Lens Type	Iv (mcd) [2] @ 20mA		Viewing Angle [1]
			Min.	TYP.	2θ1/2
WP5603SIDL/SD/J	HYPER ORANGE (AlGaInP)	RED SEMI DIFFUSED	1800	3600	100°(H) 50°(V)

Notes:

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	Hyper Orange	640		nm	IF=20mA
λ_D [1]	Dominant Wavelength	Hyper Orange	630		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Hyper Orange	25		nm	IF=20mA
C	Capacitance	Hyper Orange	27		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Hyper Orange	2.2	2.8	V	IF=20mA
IR	Reverse Current	Hyper Orange		10	uA	VR = 5V

Notes:

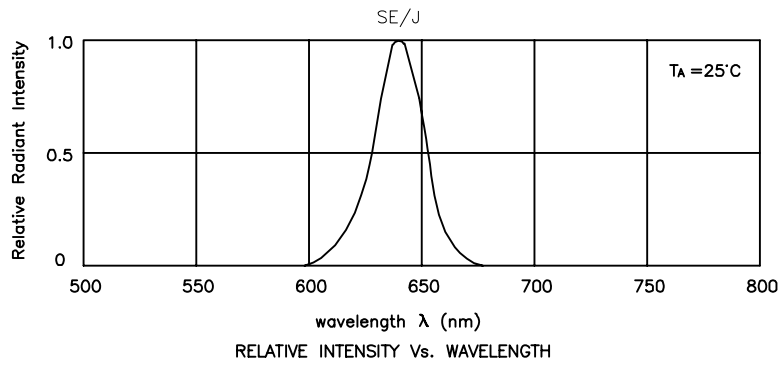
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Orange	Units
Power dissipation	84	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
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	

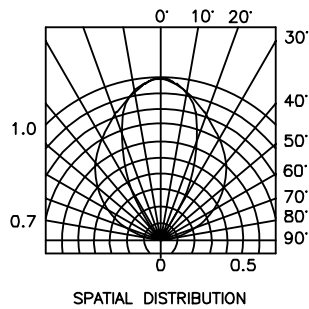
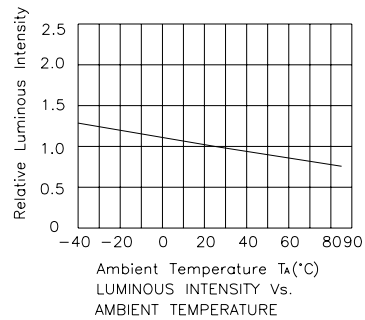
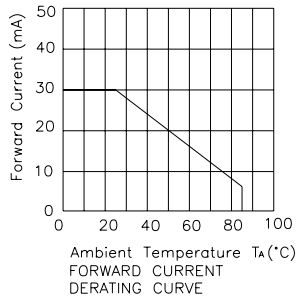
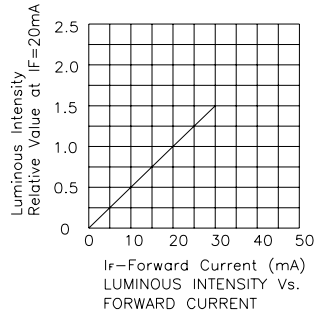
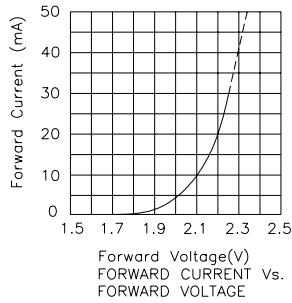
Notes:

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



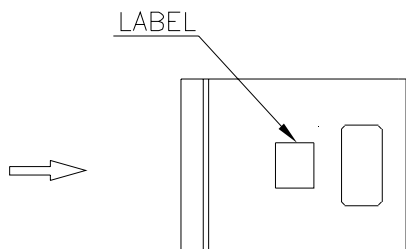
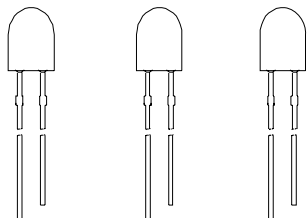
Hyper Orange

WP5603SIDL/SD/J



PACKING & LABEL SPECIFICATIONS

WP5603SIDL/SD/J

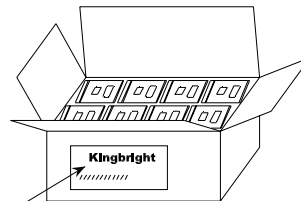


500PCS / BAG




OUTSIDE LABEL

20K / 9# BOX



OUTSIDE LABEL

10K / 5# BOX

Kingbright				
Q.C.	<table border="1"> <tr> <td>QC</td> </tr> <tr> <td>xx xx xxxx</td> </tr> <tr> <td>PASSED</td> </tr> </table>	QC	xx xx xxxx	PASSED
QC				
xx xx xxxx				
PASSED				
TYPE NO :	WP5603XXX			
QUANTITY :	500 pcs			
S/N :	xxx			
CODE:	XX			
LOT NO:	 xxxxxxxxxx			
RoHS Compliant				