

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
TA12-22EWA	HIGH EFFICIENCY RED(GaAsP/GaP)	WHITE DIFFUSED	3000	12000	Column Anode

Note:
1.Luminous Intensity / Luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

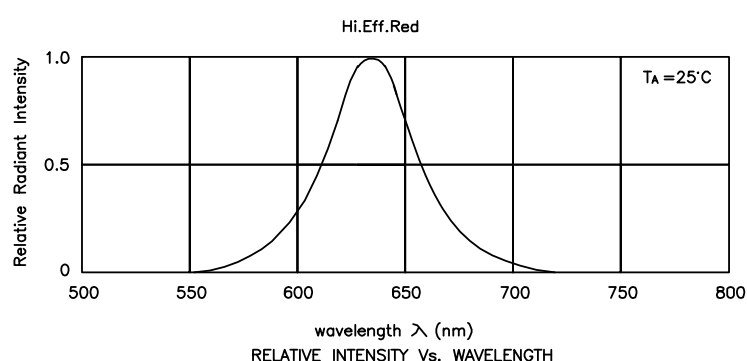
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	High Efficiency Red	627		nm	IF=20mA
λ_D [1]	Dominant Wavelength	High Efficiency Red	625		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	High Efficiency Red	45		nm	IF=20mA
C	Capacitance	High Efficiency Red	15		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	High Efficiency Red	2	2.5	V	IF=20mA
IR	Reverse Current	High Efficiency Red		10	uA	VR = 5V

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

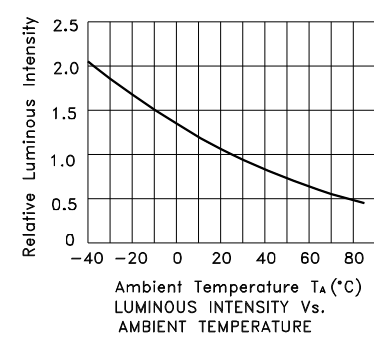
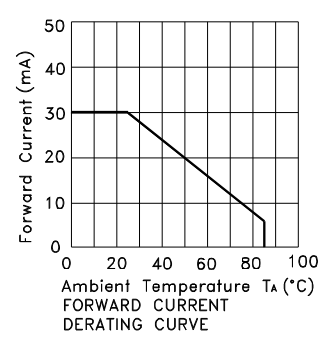
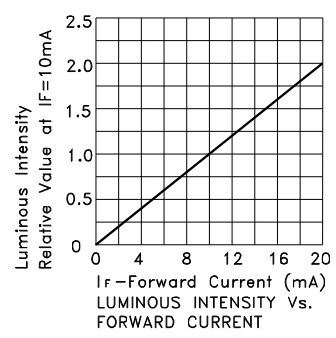
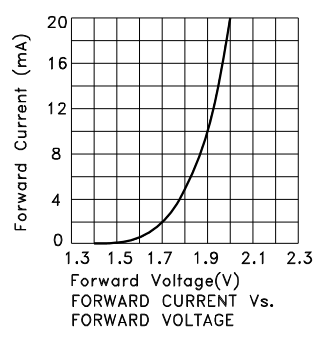
Absolute Maximum Ratings at TA=25°C

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

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

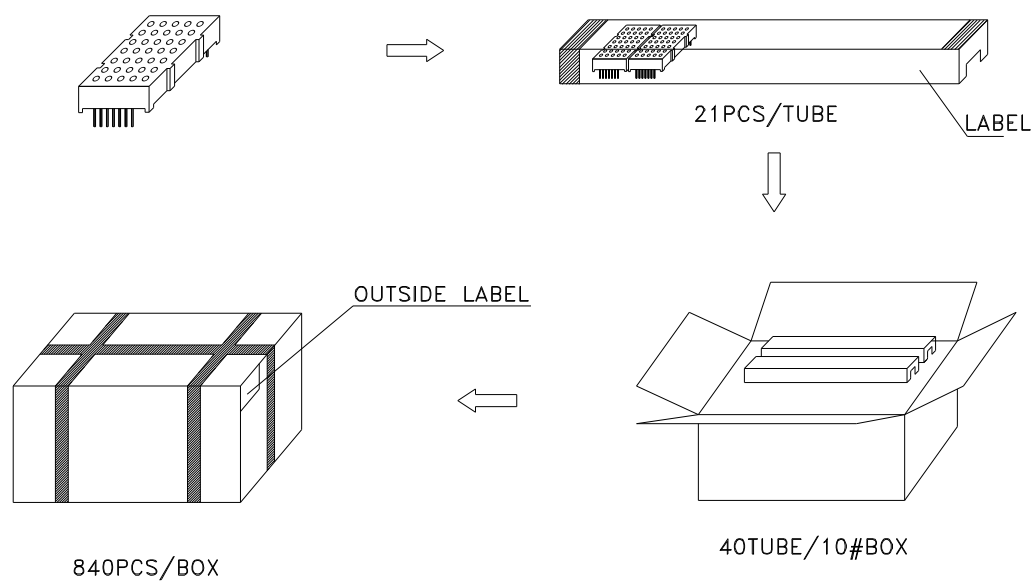


High Efficiency Red TA12-22EWA



PACKING & LABEL SPECIFICATIONS

TA12-22EWA



Inside LABEL Paste On The IC-tube

Kingbright	TYPE: TX12-22XXX	PASSED xx xx xx FQC
QTY: 21 PCS CODE: xx		
xxxxxxxxxx-xxxx		Date
LOT NO.		Number OF FQC
RoHs Compliant		

Outside LABEL Paste On The Box

BOX Number	xxxx	xxxx
TX12-22XXX	840	PCS
Number OF QA		
Date		
QA xx xx xx PASSED		
RoHs Compliant		