

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) @ 10mA		Description
			Min.	Typ.	
CA25-12EWA	HIGH EFFICIENCY RED(GaAsP/GaP)	WHITE DIFFUSED	1200	6400	Common Anode

Electrical / Optical Characteristics at TA=25°C

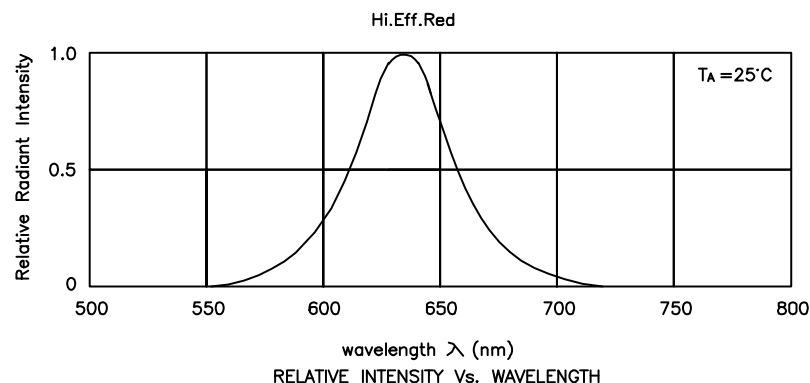
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	High Efficiency Red	627		nm	IF=20mA
λ_D	Dominant Wavelength	High Efficiency Red	625		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	High Efficiency Red	45		nm	IF=20mA
C	Capacitance (Per Segment)	High Efficiency Red	15		pF	VF=0V;f=1MHz
VF	Forward Voltage (Per Segment)	High Efficiency Red	2.0	2.5	V	IF=20mA
IR	Reverse Current (Per Segment)	High Efficiency Red		10	uA	VR = 5V

Absolute Maximum Ratings at TA=25°C

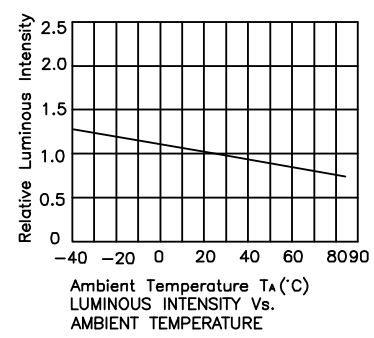
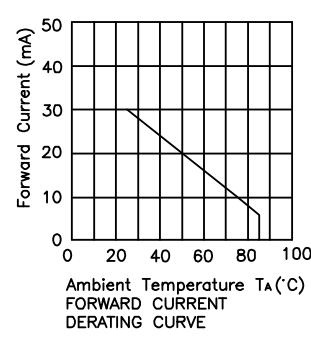
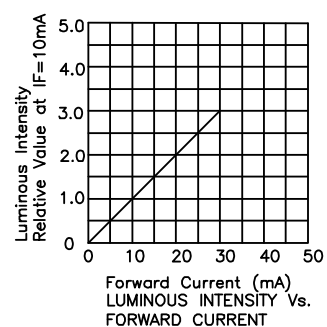
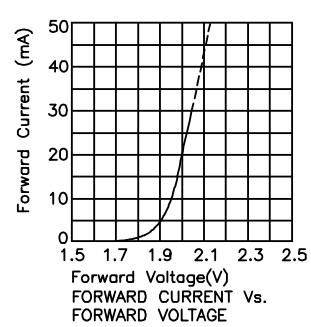
Parameter	High Efficiency Red	Units
Power dissipation (Per Segment)	105	mW
DC Forward Current (Per Segment)	30	mA
Peak Forward Current [1] (Per Segment)	160	mA
Reverse Voltage (Per Segment)	5	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

Notes:

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

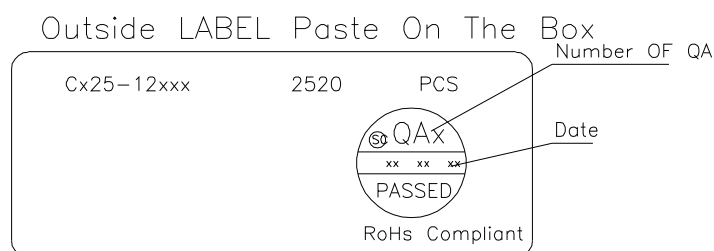
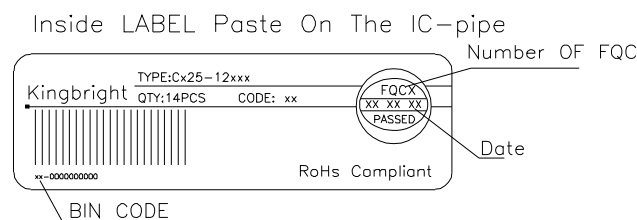
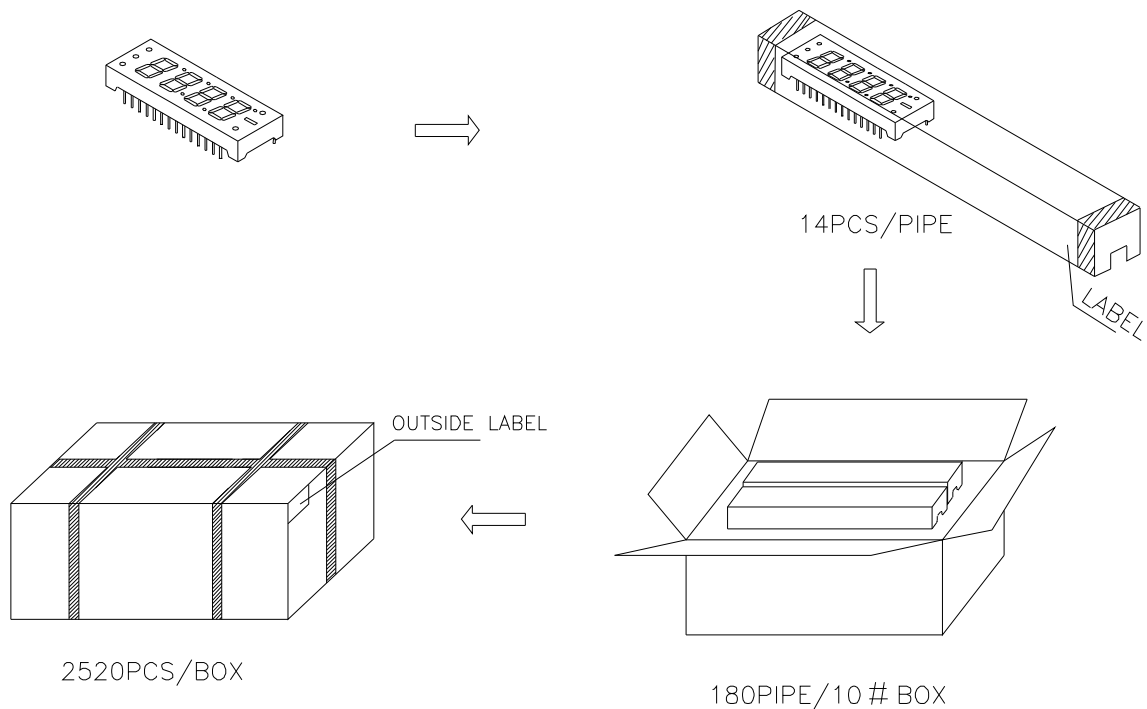


High Efficiency Red CA25-12EWA



PACKING & LABEL SPECIFICATIONS

CA25-12EWA



Remarks:

If special sorting is required (e.g. binning based on forward voltage, Luminous intensity/ luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous intensity/ luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.