

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
SC15-11EWA	HIGH EFFICIENCY RED (GaAsP/GaP)	WHITE DIFFUSED	3000	16000	Common Cathode,Rt. Hand Decimal.

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 Per segment or (Dp)	High Efficiency Red	4.0 (2.0)	5.0 (2.5)	V	IF=20mA
IR	Reverse Current Per segment or (Dp)	High Efficiency Red		10 (10)	uA	VR = 10V (VR = 5V)

Notes:

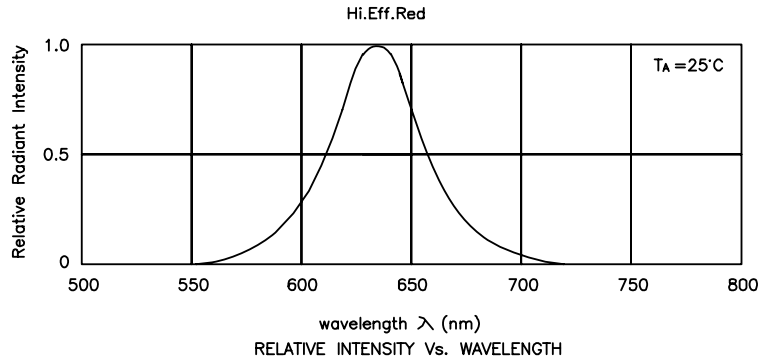
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

Parameter	High Efficiency Red	Units
Power dissipation Per segment or (Dp)	150(105)	mW
DC Forward Current Per segment or (Dp)	30(30)	mA
Peak Forward Current [1] Per segment or (Dp)	160(160)	mA
Reverse Voltage Per segment or (Dp)	10(5)	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 3 Seconds	

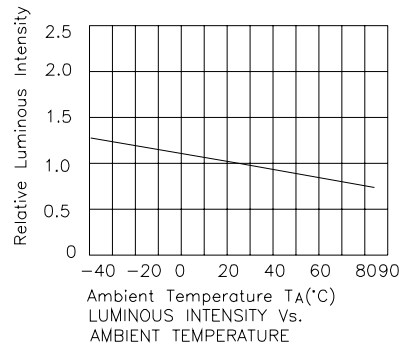
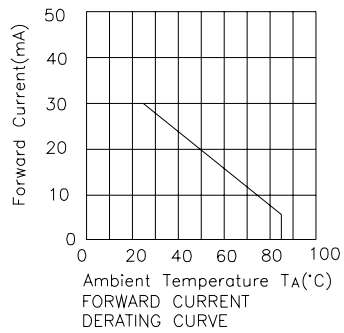
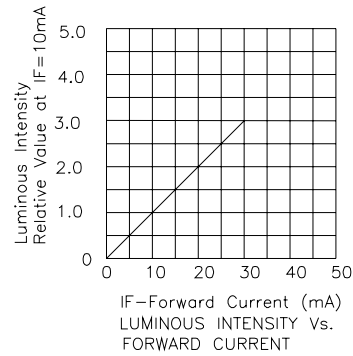
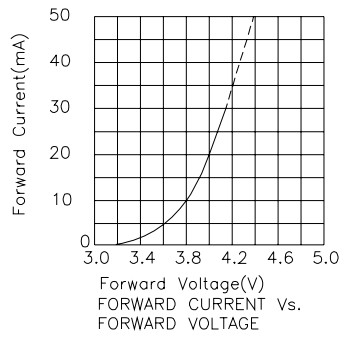
Notes:

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



High Efficiency Red

SC15-11EWA



PACKING & LABEL SPECIFICATIONS

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