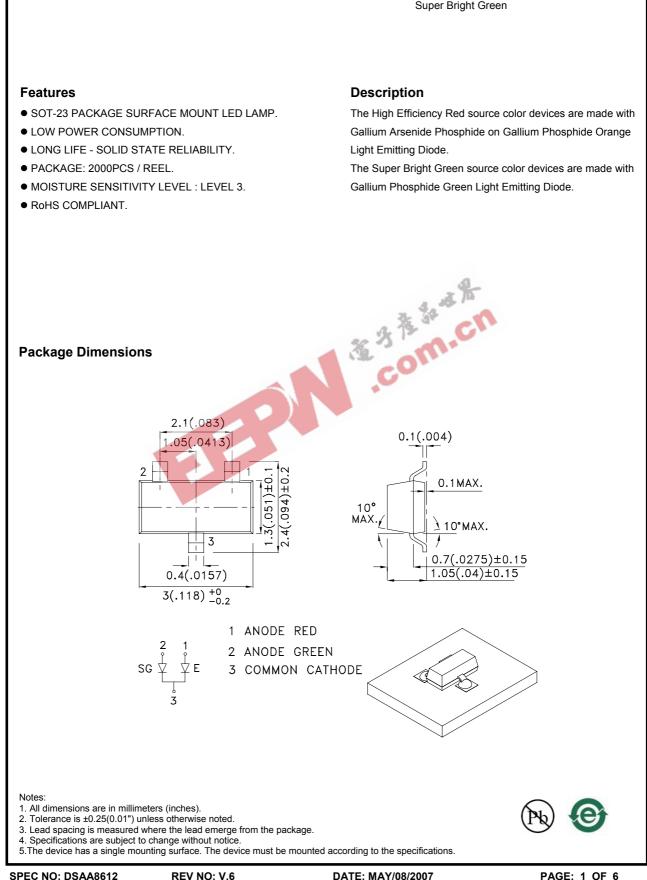
### SOT-23 SURFACE MOUNT LED LAMP

Part Number: AM23ESGC

High Efficiency Red Super Bright Green



SPEC NO: DSAA8612 **APPROVED: WYNEC** 

**CHECKED: Allen Liu** 

DRAWN: Y.L.LI

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Selection Guide	lv (mo @ 2		Viewing Angle [1]		
		Lens Type	Min.	Тур.	201/2
AM23ESGC	High Efficiency Red (GaAsP/GaP)		4	15	- 140°
	Super Bright Green (GaP)	WATER CLEAR	4	15	

Notes:

1.  $\theta$ 1/2 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	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red Super Bright Green	627 565	4.15	nm	IF=20mA
λD [1]	Dominant Wavelength	High Efficiency Red Super Bright Green	625 568		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red Super Bright Green	45 30		nm	I⊧=20mA
С	Capacitance	High Efficiency Red Super Bright Green	15 15		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	High Efficiency Red Super Bright Green	2 2.2	2.5 2.5	V	I⊧=20mA
lr	Reverse Current	High Efficiency Red Super Bright Green		10 10	uA	VR = 5V

Notes:

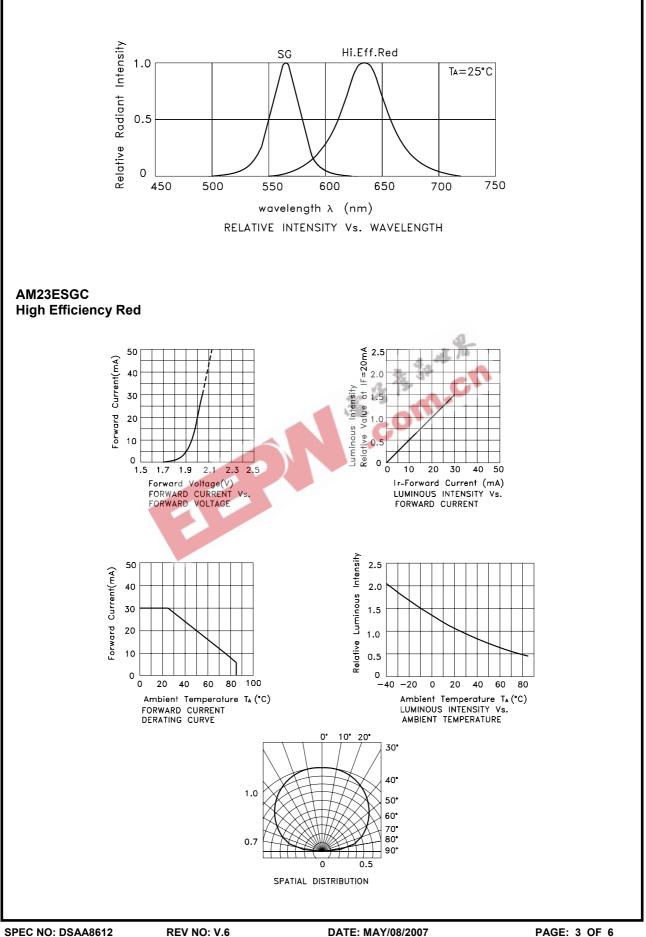
1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

### Absolute Maximum Ratings at TA=25°C

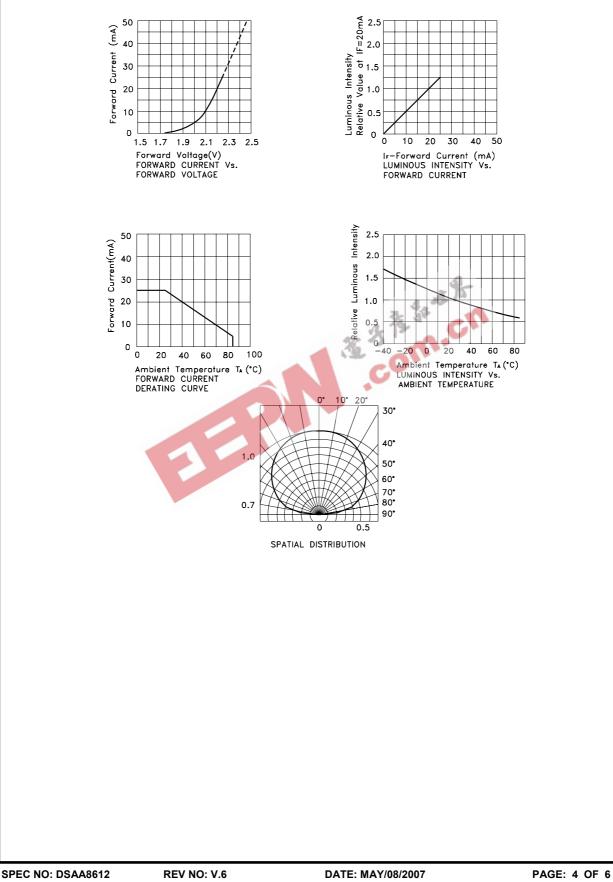
Parameter	High Efficiency Red	Super Bright Green	Units		
Power dissipation	75	62.5	mW		
DC Forward Current	30	25	mA		
Peak Forward Current [1]	160	140	mA		
Reverse Voltage		V			
Operating Temperature	-40°C To +85°C				
Storage Temperature	-40°C To +85°C				

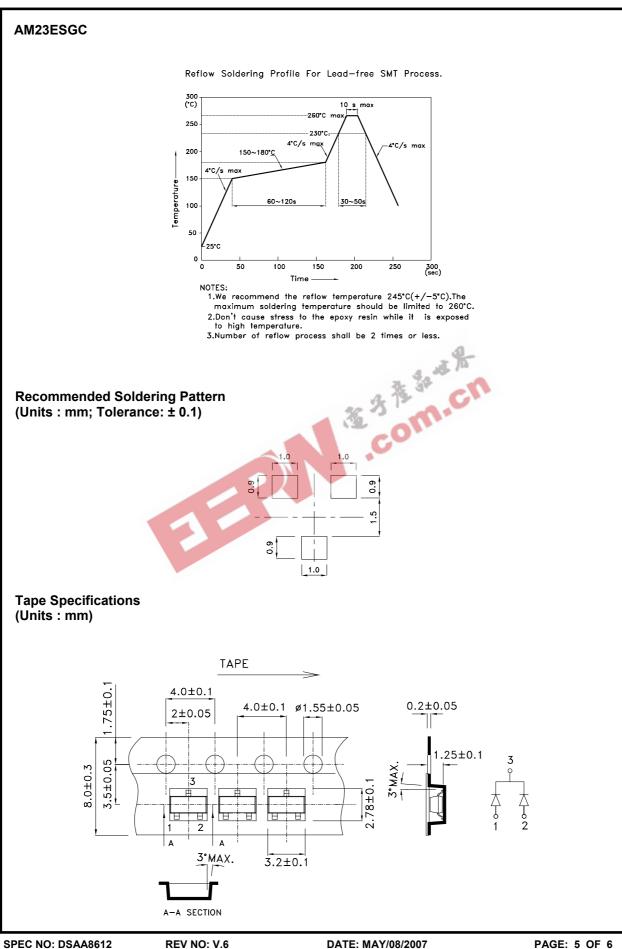
Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.



### Super Bright Green





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