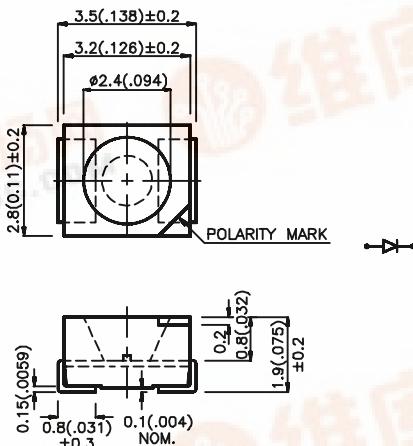


Features

- SINGLE COLOR.
- SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS.
- AVAILABLE ON TAPE AND REEL.
- IDEAL FOR BACKLIGHTING.

Package Dimensions



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subjected to change without notice.



Selection Guide

Part No.	Dice	Lens Type	I _v (mcd) @ 20 mA		Viewing Angle
			Min.	Typ.	
AA3528IT	HIGH EFFICIENCY RED (GaAsP/GaP)	RED TRANS.	12	30	120°
AA3528EC	HIGH EFFICIENCY RED (GaAsP/GaP)	WATER CLEAR	12	30	120°
AA3528YT	YELLOW (GaAsP/GaP)	YELLOW TRANS.	8	15	120°
AA3528YC	YELLOW (GaAsP/GaP)	WATER CLEAR	8	15	120°
AA3528SGT	SUPER BRIGHT GREEN (GaP)	GREEN TRANS.	12	30	120°
AA3528SGC	SUPER BRIGHT GREEN (GaP)	WATER CLEAR	12	30	120°

Note:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at T_A=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ _{peak}	Peak Wavelength	High Efficiency Red Super Bright Green Yellow	625 565 590		nm	IF=20mA
Δλ1/2	Spectral Line Halfwidth	High Efficiency Red Super Bright Green Yellow	45 30 35		nm	IF=20mA
C	Capacitance	High Efficiency Red Super Bright Green Yellow	12 45 10		pF	VF=0V;f=1MHz
V _F	Forward Voltage	High Efficiency Red Super Bright Green Yellow	2.0 2.2 2.1	2.5 2.5 2.5	V	IF=20mA
I _R	Reverse Current	All		10	uA	VR = 5V

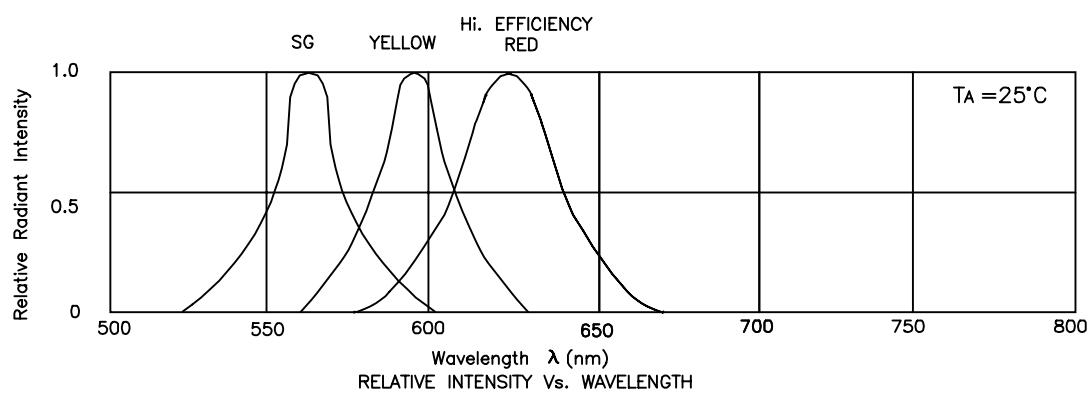
Absolute Maximum Ratings at T_A=25°C

Parameter	High Efficiency Red	Super Bright Green	Yellow	Units
Power dissipation	105	105	105	mW
DC Forward Current	30	25	30	mA
Peak Forward Current [1]	150	150	150	mA
Reverse Voltage	5	5	5	V
Operating/Storage Temperature		-40°C To +85°C		

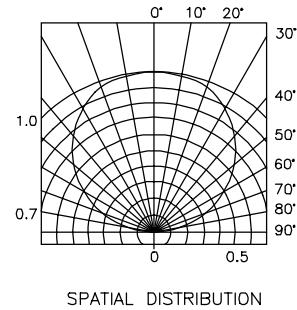
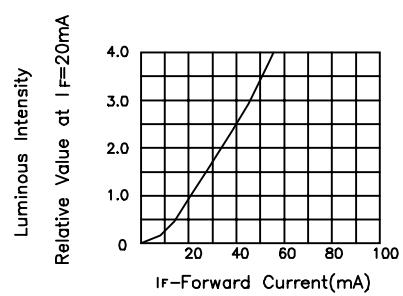
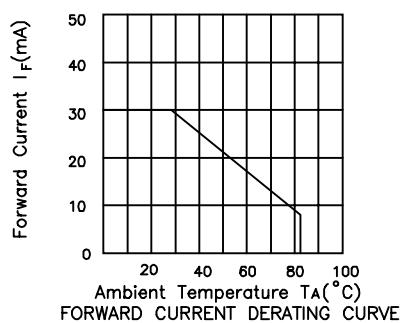
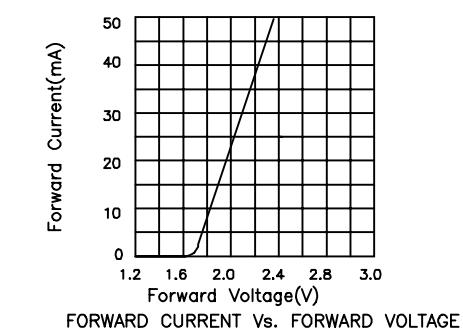
Note:

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

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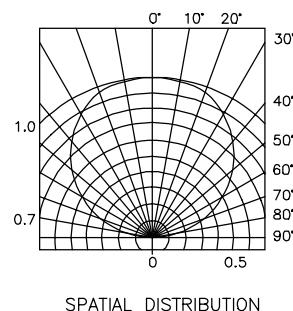
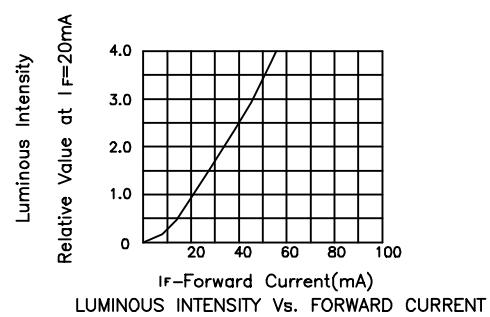
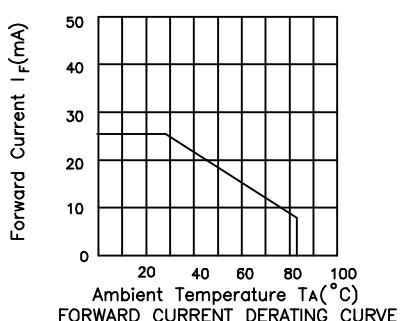
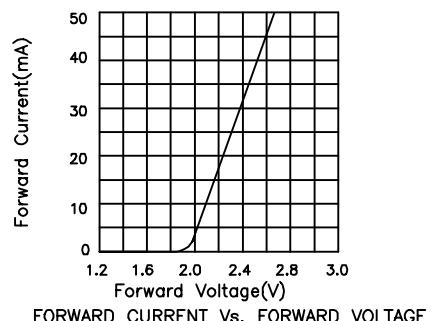


High Efficiency Red AA3528EC,AA3528IT

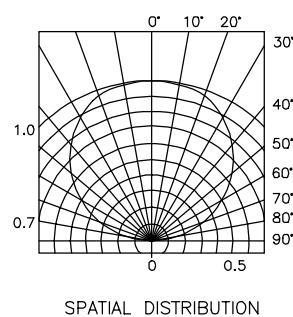
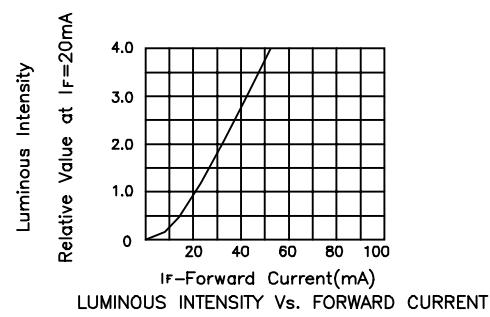
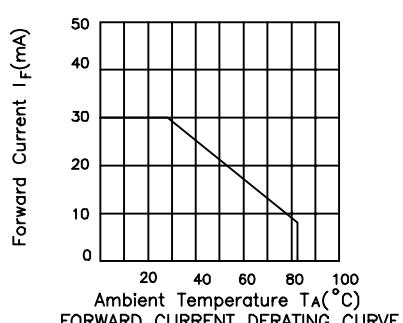
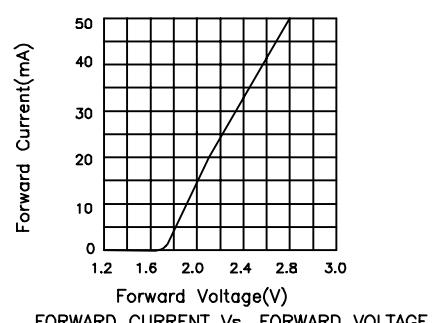


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Super Bright Green AA3528SGC,AA3528SGT

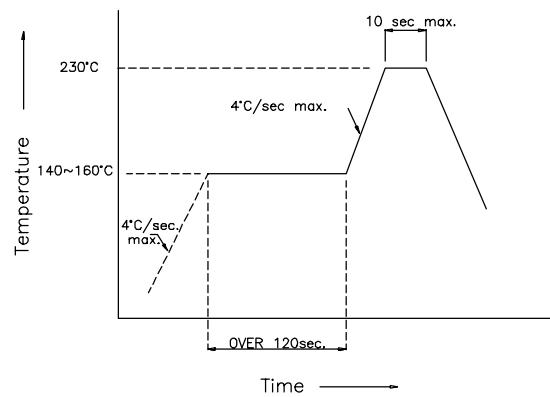


Yellow AA3528YC,AA3528YT

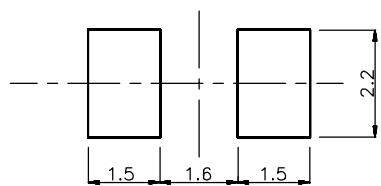


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AA3528 SERIES SMT Reflow Soldering Instruction



AA3528 SERIES Recommended Soldering Pattern (Units : mm)



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AA3528 SERIES Tape Specifications (Units : mm)

