

AA3528SF4C

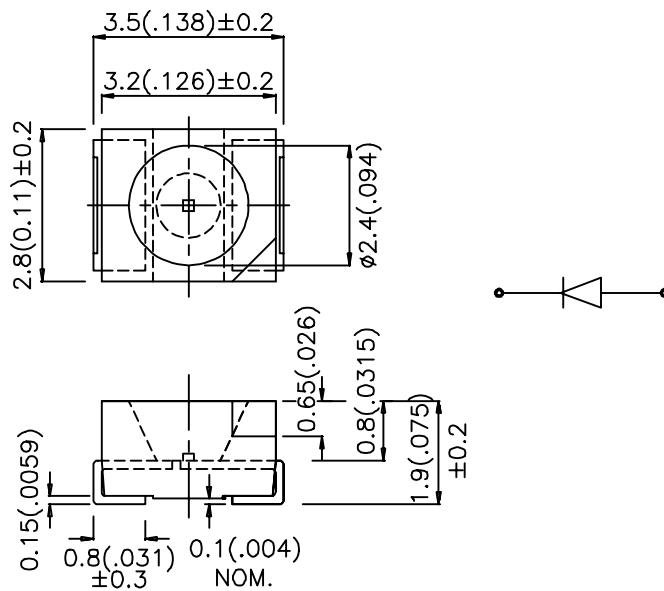
## Features

- SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS.
- AVAILABLE ON TAPE AND REEL.
- COMPATIBLE WITH AUTOMATIC PLACEMENT EQUIPMENT.
- HIGH RELIABILITY AND LONG LIFETIME.

## Description

SF4 Made with Gallium Aluminum Arsenide Infrared Emitting diodes.

## Package Dimensions



### Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±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	Iv (mW/sr) @20mA *50mA		Viewing Angle
			Min.	Typ.	
AA3528SF4C	GaAlAs	WATER CLEAR	0.8	1.5	120°
			*2	*4	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 TA=25°C

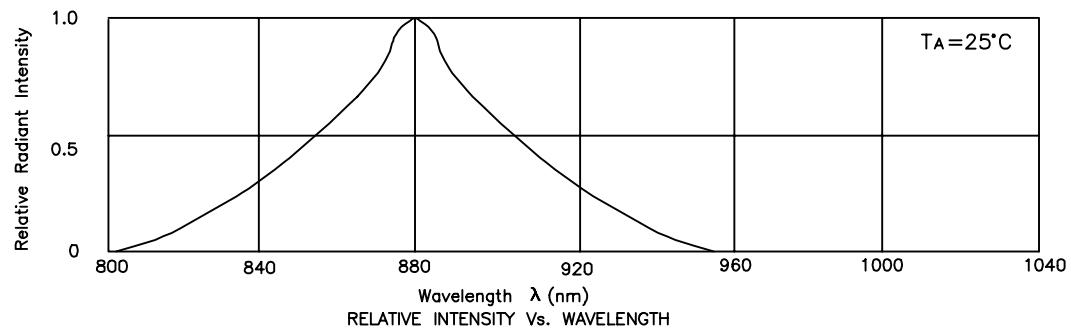
Item	P/N	Symbol	Typ.	Max.	Unit	Condition
Forward Voltage	SF4	VF	1.4	1.7	V	IF=20mA
Reverse Current	SF4	IR	-	10	uA	VR=5V
Junction Capacitance	SF4	Co	90	-	pF	V=0 f=1MHz
Peak Spectral Wavelength	SF4	IR	880	-	nm	IF=20mA
Spectral Bandwidth	SF4	Δλ	50	-	nm	IF=20mA

## Absolute Maximum Ratings at TA=25°C

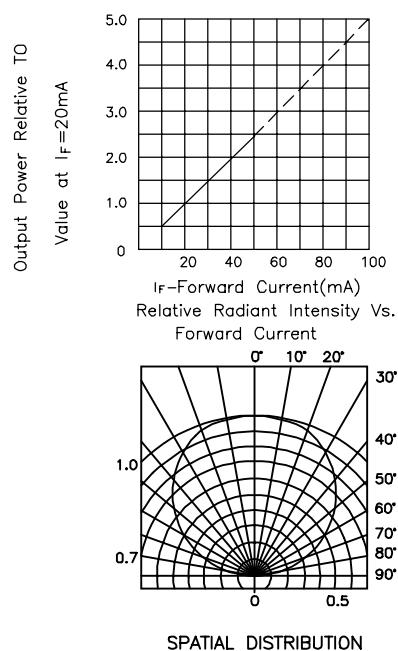
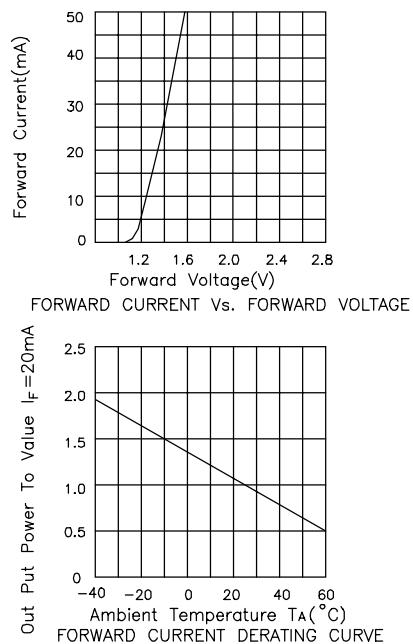
Item	Symbol	Maximum Rating	Units
Power Dissipation	Pd	100	mW
Forward Current	IF	50	mA
Peak Forward Current	I_P	1.2	A
Reverse Voltage	VR	5	V
Operating Temperature	Topr	-45~ +80	°C
Storage Temperature	Tstg	-45~ +80	°C

Note:

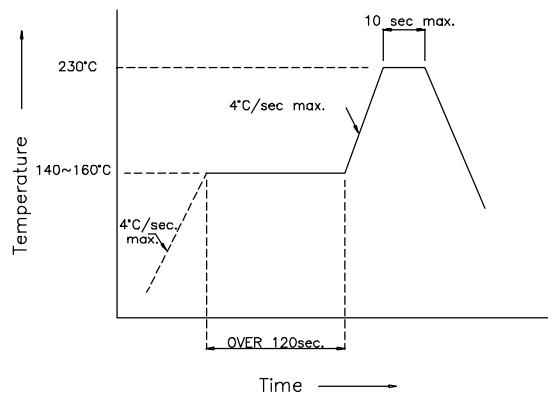
1.Ip Condiction : 1/10 Duty Cycle, 0.1ms Pluse Width.



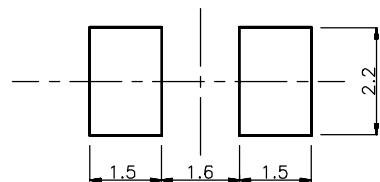
## AA3528SF4C



## AA3528SF4C SMT Reflow Soldering Instructions



## AA3528SF4C Recommended Soldering Pattern (Units : mm)



**AA3528SF4C Tape Specifications**  
(Units : mm)

