

AA3528SF4C

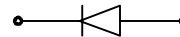
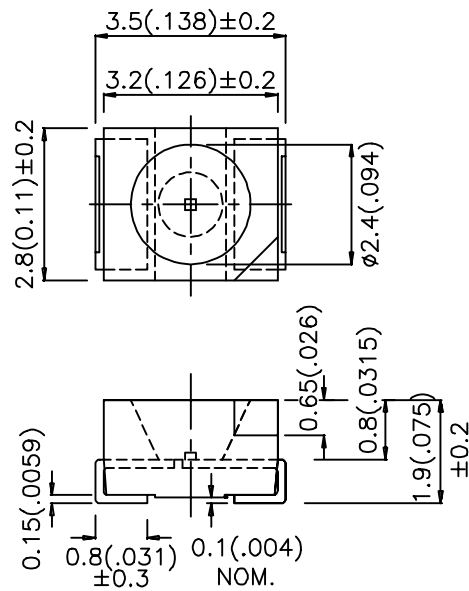
Features

- 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 $\pm 0.25(0.01)$ 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	Iv (mW/sr) @20mA *50mA		Viewing Angle
			Min.	Typ.	
AA3528SF4C	GaAlAs	WATER CLEAR	0.8	1.5	120°
			*2	*4	120°

Note:

1. $\theta 1/2$ 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

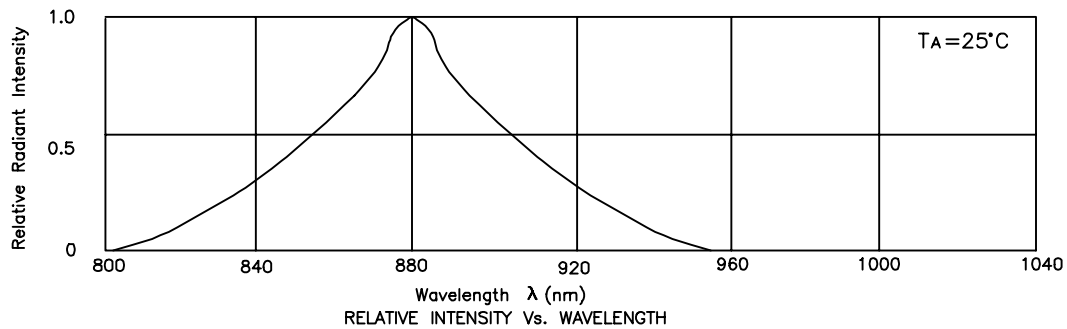
Item	P/N	Symbol	Typ.	Max.	Unit	Condition
Forward Voltage	SF4	VF	1.4	1.7	V	IF=20mA
Reverse Current	SF4	IR	-	10	uA	VR=5V
Junction Capacitance	SF4	Co	90	-	pF	V=0 f=1MHz
Peak Spectral Wavelength	SF4	IR	880	-	nm	IF=20mA
Spectral Bandwidth	SF4	$\Delta\lambda$	50	-	nm	IF=20mA

Absolute Maximum Ratings at T_A=25°C

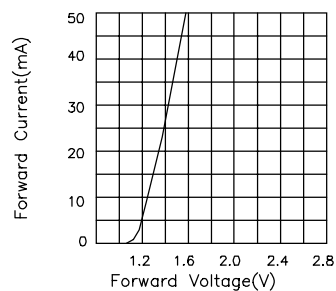
Item	Symbol	Maximum Rating	Units
Power Dissipation	Pd	100	mW
Forward Current	IF	50	mA
Peak Forward Current	I _P	1.2	A
Reverse Voltage	VR	5	V
Operating Temperature	T _{opr}	-45~ +80	°C
Storage Temperature	T _{stg}	-45~ +80	°C

Note:

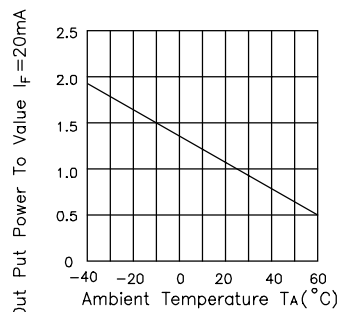
1. I_p Condition : 1/10 Duty Cycle, 0.1ms Pluse Width.



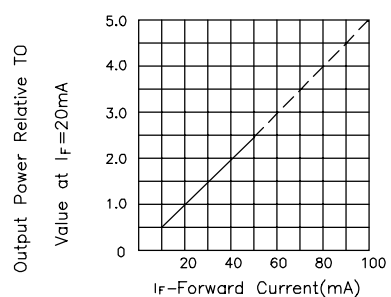
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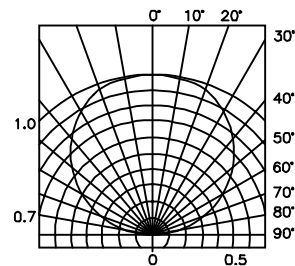
FORWARD CURRENT Vs. FORWARD VOLTAGE



FORWARD CURRENT DERATING CURVE

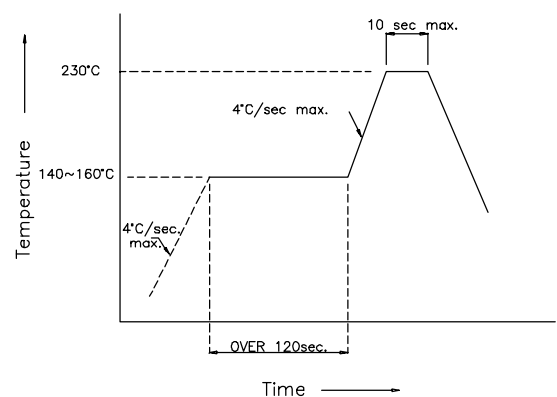


Relative Radiant Intensity Vs. Forward Current

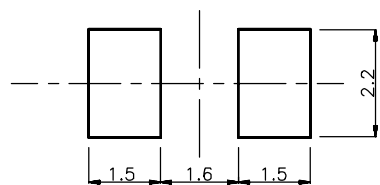


SPATIAL DISTRIBUTION

AA3528SF4C SMT Reflow Soldering Instructions



AA3528SF4C Recommended Soldering Pattern
(Units : mm)



AA3528SF4C Tape Specifications (Units : mm)

