

Part Number: WP7113SF4BT

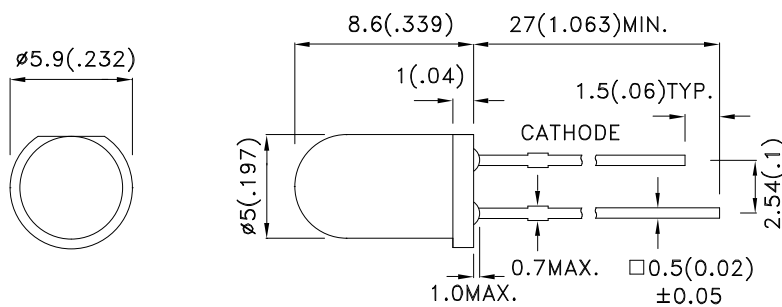
Features

- MECHANICALLY AND SPECTRALLY MATCHED TO THE PHOTOTRANSISTOR.
- WATER CLEAR LENS.
- RoHS COMPLIANT.

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 from the package.
4. Specifications are subject to change without notice.



Selection Guide

Part No.	Dice	Lens Type	Po (mW/sr) [2] @ 20mA *50mA		Viewing Angle [1]
			Min.	Typ.	2θ1/2
WP7113SF4BT	SF4 (GaAIAs)	BLUE TRANSPARENT	4	20	20°
			*7	*30	

Notes:

1. θ1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.
2. * Luminous intensity with asterisk is measured at 50mA; Radiant Intensity/ luminous flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

Parameter	P/N	Symbol	Typ.	Max.	Units	Test Conditions
Forward Voltage [1]	SF4	V _F	1.3	1.6	V	I _F =20mA
Reverse Current	SF4	I _R		10	uA	V _R = 5V
Capacitance	SF4	C	90		pF	V _F =0V;f=1MHz
Peak Spectral Wavelength	SF4	λ _P	880		nm	I _F =20mA
Spectral Bandwidth	SF4	Δλ1/2	50		nm	I _F =20mA

Note:

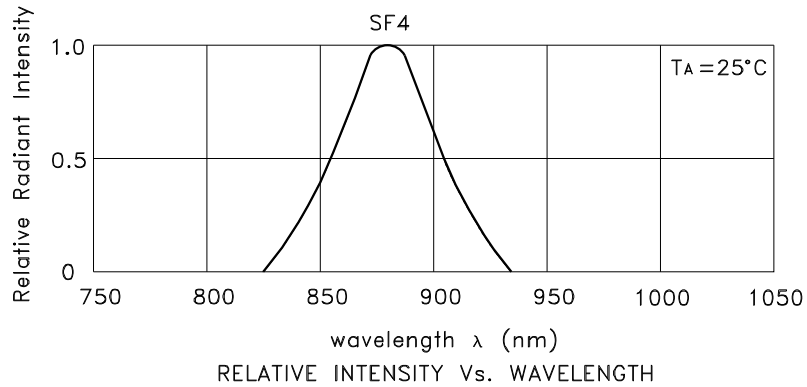
1. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

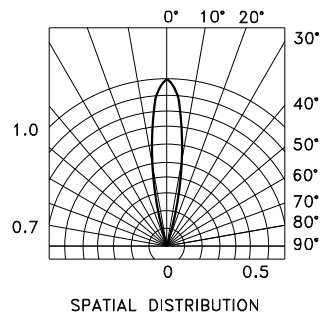
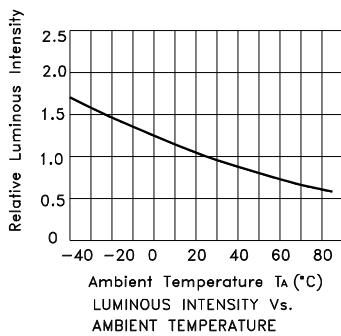
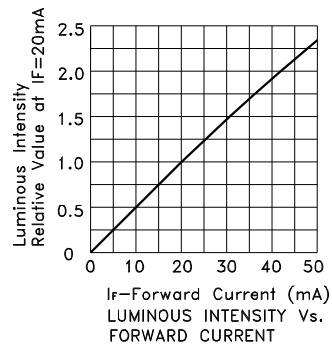
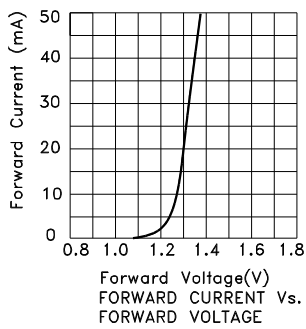
Parameter	Symbol	SF4	Units
Power dissipation	P _T	80	mW
DC Forward Current	I _F	50	mA
Peak Forward Current [1]	i _{FS}	1.2	A
Reverse Voltage	V _R	5	V
Operating Temperature	T _A	-40 To +85	°C
Storage Temperature	T _{STG}	-40 To +85	°C
Lead Solder Temperature [2]	260°C For 3 Seconds		
Lead Solder Temperature [3]	260°C For 5 Seconds		

Notes:

1. 1/100 Duty Cycle, 10μs Pulse Width.
2. 2mm below package base.
3. 5mm below package base.



WP7113SF4BT



PACKING & LABEL SPECIFICATIONS

WP7113SF4BT



1,000PCS / BAG




36K / 9# BOX

OUTSIDE LABEL



OUTSIDE LABEL

18K / 5# BOX

Kingbright				
Q.C.	<table border="1"> <tr> <td>QC</td> </tr> <tr> <td>XX XX XX</td> </tr> <tr> <td>PASSED</td> </tr> </table>	QC	XX XX XX	PASSED
QC				
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TYPE NO : WP7113xxx				
QUANTITY : 1,000 pcs				
S/N : XX	CODE: XX			
LOT NO : 				
RoHS Compliant				

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