

Part Number: WP34SF7C

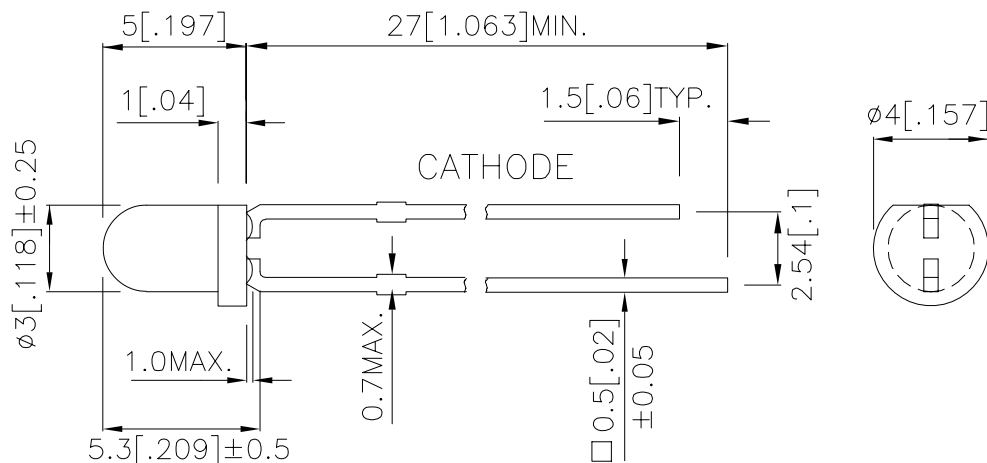
Features

- MECHANICALLY AND SPECTRALLY MATCHED TO THE WP32P3C PHOTOTRANSISTOR.
- WATER CLEAR LENS.
- RoHS COMPLIANT.

Description

SF7 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 leads emerge from the package.
4. Specifications are subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Po (mW/sr) [2] @ 20 mA *50mA		Viewing Angle [1]
			Min.	Typ.	2θ1/2
WP34SF7C	GaAlAs	WATER CLEAR	7	18	50°
			*10	*45	

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

Item	P/N	Symbol	Typ.	Max.	Units	Test Conditions
Forward Voltage [1]	SF7	VF	1.4	1.6	V	IF=20mA
Reverse Current	SF7	IR	-	10	uA	VR=5V
Capacitance	SF7	C	30	-	pF	VF=0V;f=1MHz
Peak Spectral Wavelength	SF7	λP	850	-	nm	IF=20mA
Spectral Bandwidth	SF7	Δλ1/2	50	-	nm	IF=20mA

Note:

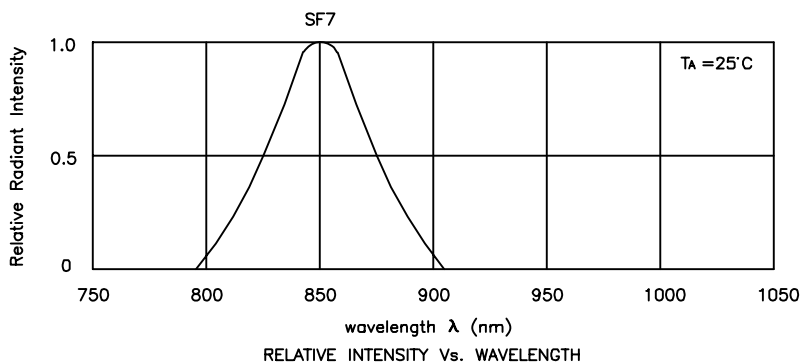
1. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

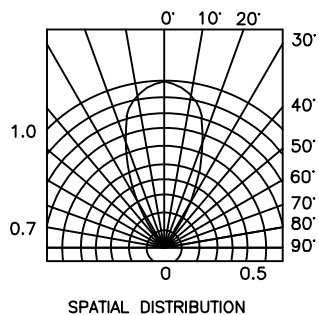
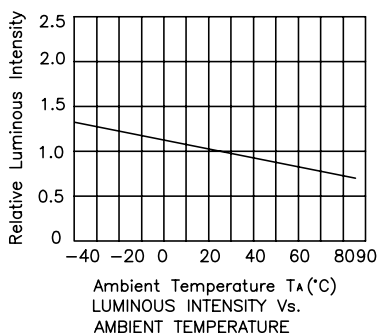
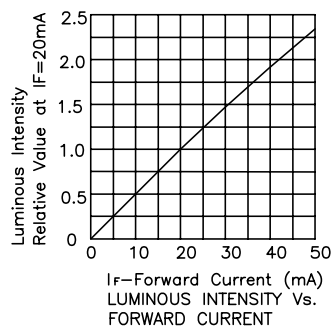
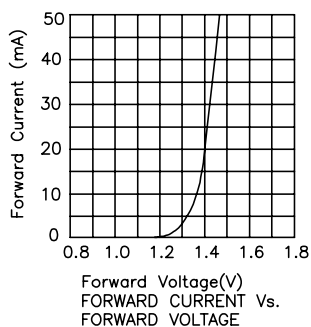
Parameter	Symbol	SF7	Units
Power Dissipation	PT	80	mW
DC Forward Current	IF	50	mA
Peak Forward Current[1]	iFS	1	A
Reverse Voltage	VR	5	V
Operating Temperature	TA	-40 To +85	°C
Storage Temperature	TSTG	-40 To +85	°C
Lead Solder Temperature [2]	260°C For 3 Seconds		
Lead Solder Temperature [3]	260°C For 5 Seconds		

Notes:

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

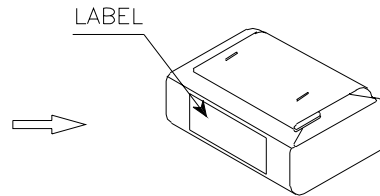
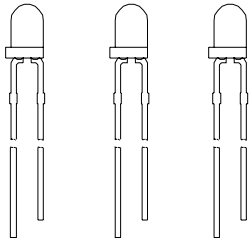


WP34SF7C



PACKING & LABEL SPECIFICATIONS

WP34SF7C

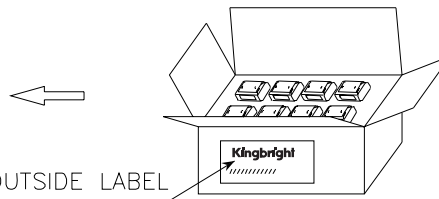


1,000PCS / BAG




56K / 9# BOX

OUTSIDE LABEL



OUTSIDE LABEL

28K / 5# BOX

Kingbright				
Q.C.	<table border="1"> <tr> <td style="text-align: center;">QC</td> </tr> <tr> <td style="text-align: center;">xxx xx xxxx</td> </tr> <tr> <td style="text-align: center;">PASSED</td> </tr> </table>	QC	xxx xx xxxx	PASSED
QC				
xxx xx xxxx				
PASSED				
TYPE NO :	WP34XXX			
QUANTITY :	1,000 pcs			
S/N :	xxx			
CODE :	xx			
LOT NO :	 <small>xxxxxxxxxx</small>			
RoHS Compliant				

Date