

L-34SF6C

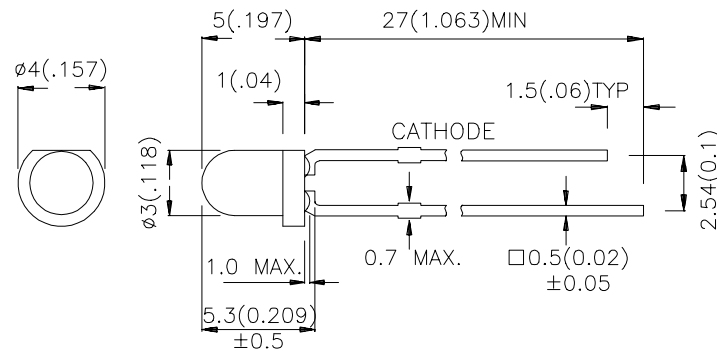
Features

- LOW POWER CONSUMPTION.
- POPULAR T-1 DIAMETER PACKAGE.
- GENERAL PURPOSE LEADS.
- RELIABLE AND RUGGED.
- LONG LIFE - SOLID STATE RELIABILITY.
- AVAILABLE ON TAPE AND REEL.

Description

SF6 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 subject to change without notice.

Selection Guide

Part No.	Dice	Lens Type	Po(mW/sr) @ 20 mA *50mA		Viewing Angle
			Min.	Typ.	2θ1/2
L-34SF6C	GaAlAs	WATER CLEAR	7	15	50°
			*10	*40	

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 $T_A=25^\circ\text{C}$

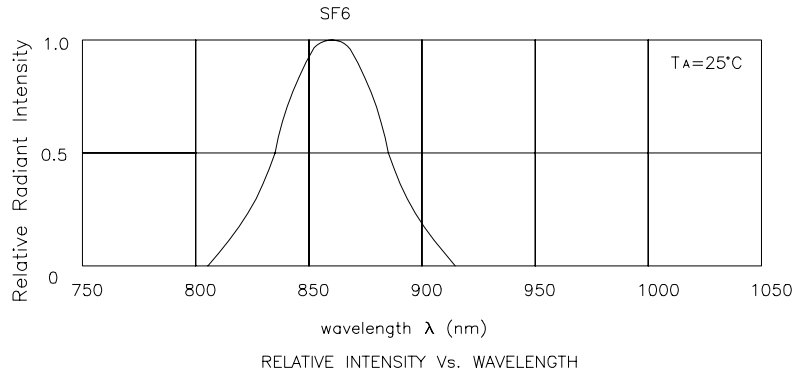
Item	P/N	Symbol	Typ.	Max.	Unit	Condition
Forward Voltage	SF6	V_F	1.35	1.6	V	$I_F=20\text{mA}$
Reverse Current	SF6	I_R	-	10	μA	$V_R=5\text{V}$
Junction Capacitance	SF6	C	30	-	pF	$V_F=0\text{V}$; $f=1\text{MHz}$
Peak Spectral Wavelength	SF6	λ_P	860	-	nm	$I_F=20\text{mA}$
Spectral Bandwidth	SF6	$\Delta\lambda_{1/2}$	50	-	nm	$I_F=20\text{mA}$

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

Item	Symbol	SF6	Units
Power Dissipation	P_T	100	mW
Forward Current	I_F	50	mA
Peak Forward Current[1]	i_{FS}	1	A
Reverse Voltage	V_R	5	V
Operating Temperature	T_{opr}	-40~ +85	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40~ +85	$^\circ\text{C}$
Lead Solder Temperature [2]	260 $^\circ\text{C}$ For 5 Seconds		

Notes:

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



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