

L-934F3C

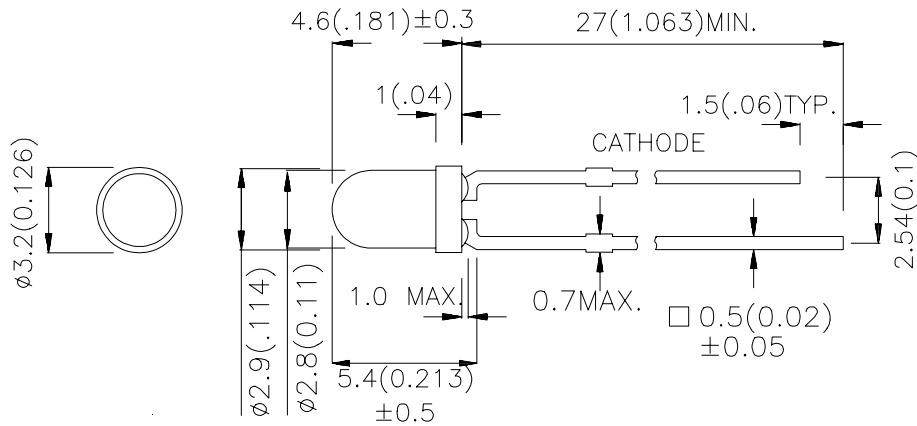
Features

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

Description

F3 Made with Gallium 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) @ 20mA *50mA | | Viewing Angle |
|----------|------|-------------|----------------------------|------|------------------|
| | | | Min. | Typ. | 2θ1/2 |
| L-934F3C | GaAs | WATER CLEAR | 1.6 | 10 | 50° |
| | | | *4 | *15 | 50° |

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 T_A=25°C

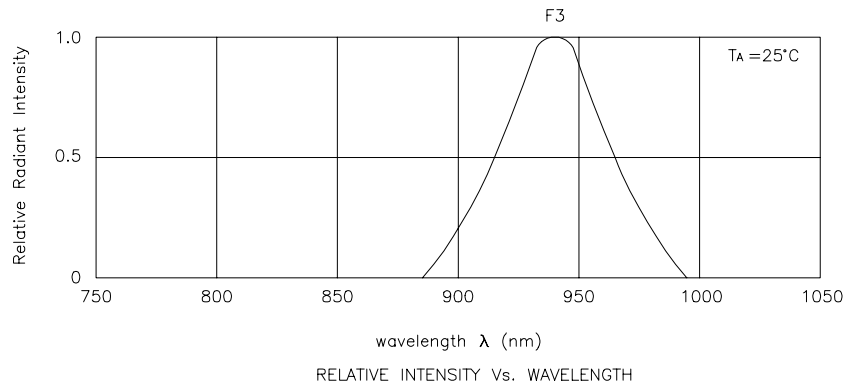
| Parameter | P/N | Symbol | Typ. | Max. | Unit | Condition |
|--------------------------|-----|----------------|------|------|------|---------------------------|
| Forward Voltage | F3 | V _F | 1.2 | 1.6 | V | I _F =20mA |
| Reverse Current | F3 | I _R | - | 10 | uA | V _R =5V |
| Capacitance | F3 | C | 90 | - | pF | V _F =0V;f=1MHz |
| Peak Spectral Wavelength | F3 | λ _P | 940 | - | nm | I _F =20mA |
| Spectral Bandwidth | F3 | Δλ 1/2 | 50 | - | nm | I _F =20mA |

Absolute Maximum Ratings at T_A=25°C

| Parameter | Symbol | F3 | Units |
|----------------------------|---------------------|----------|-------|
| Power Dissipation | P _T | 100 | 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~ +85 | °C |
| Storage Temperature | T _{STG} | -40~ +85 | °C |
| Lead Solder Temperature[2] | 260°C For 5 Seconds | | |

Notes:

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



L-934F3C

