# FL630-3532

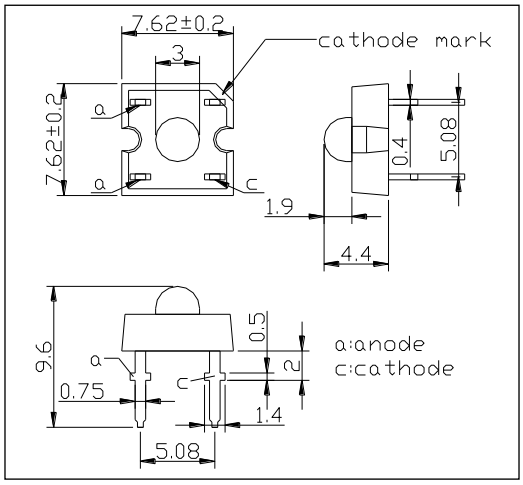
## High Power Type LED

FL630-3532 is an AlGaInP LED mounted on a lead frame and molded with super beam lens. On forward bias it emits a band of visible light which peaks 630nm.

<Specifications>

1. Product Name: Super Flux Mold Type LED
2. Type Number: FL630-3532
3. Chip:
   - Chip material: AlGaInP
   - Chip Dimension: 350umx350um
   - Peak Wavelength: 630nm
4. Package
   - Type: Super Beam Type LED
   - Resin Material: Epoxy Resin
   - Lead Frame: Silver Plated Cupper

Outer Dimension (Unit:mm)




| **Absolute Maximum Ratings[Ta=25℃]** | | | |
|---|---|---|---|
| Item | Symbol | Maximum Rated Value | Unit |
| Power Dissipation | PD | 190 | mW |
| Forward Current | IF | 70 | mA |
| Reverse Voltage | VR | 5 | V |
| Thermal Resistance | Rthja | 120 | K/W |
| Operating Temperature | TOPR | -30 ~ +85 | ℃ |
| Storage Temperature | TSTG | -30 ~+100 | ℃ |
| Soldering Temperature* | TSOL | 265 | ℃ |

Pulse Forward Current Condition: Duty=1% and Pulse Width=10μs
* Soldering Condition must be completed within 3 seconds at 265 ℃

| **Electro-Optical Characteristics [Ta=25℃ typ.]** | | | | | | |
|---|---|---|---|---|---|---|
| Item | Symbol | Condition | Minimum | Typical | Maximum | Unit |
| Forward Voltage | VF | IF=70mA | | 2.30 | 2.70 | V |
| | | IF=50mA | | 2.20 | 2.60 | |
| Total Radiated Power* | PO | IF=70mA | 30.0 | 42.0 | | mW |
| | | IF=50mA | 21.0 | 30.0 | | |
| Radiant Intensity** | IE | IF=70mA | | 50 | | mW/sr |
| Brightness** | IV | IF=70mA | | 12,000 | | mcd |
| Peak Wavelength | λP | IF=50mA | | 631 | | nm |
| Dominant Wavelength | λD | IF=50mA | | 622 | | |
| Half Width | Δλ | IF=50mA | | 15 | | nm |
| Viewing Half Angle | θ1/2 | IF=50mA | | ±20 | | deg |

* Measured by S3584-08
** Measured by Tektronix J-6512

RoHS Compliant

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