

Peak Emission Wavelength: 353-360nm

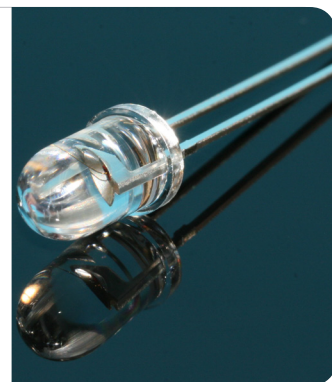
The MT5355-UV is a UV T 1 3/4, 5mm water clear LED designed for applications requiring high power and high reliability packaged with straight leads.

FEATURES

- > High Power
- > High Reliability
- > High Speed
- > Narrow Beam Angle

APPLICATIONS

- > UV Curing
- > Currency Validation
- > Document Verification
- > Sterilization



Absolute Maximum Ratings (Ta=25°C)

| ITEMS | SYMBOL | RATINGS | UNIT |
|------------------------------|--------|-----------|------|
| Forward Current | IF | 25 | mA |
| Peak Forward Current*1 | IFP | 100 | mA |
| Reverse Current | IR | 85 | mA |
| Power Dissipation | PD | 100 | mW |
| Operating Temperature Range | Topr | -30 ~ +80 | °C |
| Storage Temperature Range | Tstg | -30 ~ +85 | °C |
| Lead Soldering Temperature*2 | Tls | 260 | °C |

*1: Test Conditions: D.C.<1/10, p. width<0.1msec. *2: Time 5 Sec max, Position: Up to 3mm from the body.

Electrical & Optical Characteristics (Ta = 25°C)

| ITEMS | SYMBOL | CONDITIONS | MIN | TYP | MAX | UNIT |
|---------------------------|-------------------|------------|-----|-----|-----|------|
| Forward Voltage | VF | IF=20mA | 3.0 | 3.6 | 4.2 | V |
| Radiant Power | Φe | IF=20mA | -- | 1.2 | -- | mW |
| Peak Emission Wavelength | λp | IF=20mA | 353 | -- | 360 | nm |
| Viewing Angle | Θ | IF=20mA | -- | 15 | -- | deg. |
| Spectral Bandwidth at 50% | Δλ _{0.5} | IF=20mA | -- | 15 | -- | nm |

RADIATION

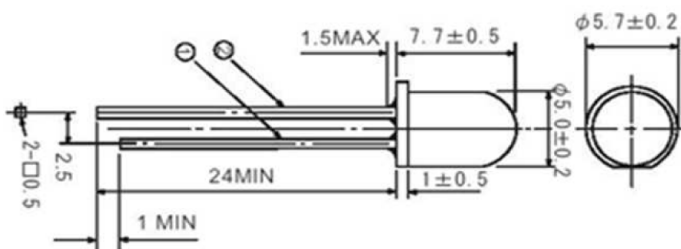
Ultra Violet

TYPE

Resin Mold Packaged

CASE

5mm Plastic Lens



Unit: mm



CAUTION

1. LEDs emit very strong UV radiation during operation.
2. Don't look directly into the LED light when in operation as UV radiation can harm your eyes.
3. To prevent even inadequate exposure, wear protective eyewear.
4. If LEDs are embedded in devices, please indicate warning labels against the UV LED used.
5. Avoid prolonged exposure to skin or other tissue during operation.
6. Keep out of reach of children.
7. Take appropriate precautions around pets and other living organisms to avoid UV exposure.
8. Specification and dimension are subject to change without notice.