



JSL-1001 Series (10mm round 1W ultra brightness LED diode)

Features:

- 1.Ultra brightness.
- 2.Choice of various viewing angles
- 3.IC compatible /Low current capability
- 4.Long life solid state reliability.
5. RoHs compliant.

Electrical and optical characteristics(Ta=25 °c)

| Part Number | Dice material And color | Lens color | Peak Wavelength | Vf(V) Typ | luminous flux(lm) | | | Viewing Angle 2 θ 1/2 |
|------------------|----------------------------|-------------|--------------------|--------------|-------------------|-----|-----|-----------------------------|
| | | | | | Min | Typ | Max | |
| JSL-1001URC-1W | AlGaInP/Ultra Red | Water Clear | 625nm | 2.0 | 20 | 30 | 40 | 35° |
| JSL-1001UYC-1W | AlGaInP/Ultra Yellow | Water Clear | 590nm | 2.0 | 20 | 30 | 40 | 35° |
| JSL-1001UAC-1W | AlGaInP/Ultra Amber | Water Clear | 605nm | 2.0 | 20 | 30 | 40 | 35° |
| JSL-1001UBC-1W | InGaN/Ultra Blue | Water Clear | 470nm | 3.2 | 10 | 15 | 20 | 35° |
| JSL-1001PGC-1W | InGaN/Pure Green | Water Clear | 525nm | 3.2 | 40 | 60 | 80 | 35° |
| JSL-1001UWC-1W | InGaN/Ultra White | Water clear | 6000k | 3.2 | 50 | 80 | 100 | 35° |
| JSL-1001WWC-1W | InGaN/Ultra White | Water clear | 3000k | 3.2 | 50 | 80 | 100 | 35° |
| JSL-1001UV-1W385 | InGaN/Ultra Violet | Water clear | 385nm | 3.2 | 5 | 7 | 8 | 35° |
| JSL-1001UV-1W410 | InGaN/Ultra Violet | Water clear | 410nm | 3.2 | 9 | 12 | 15 | 35° |

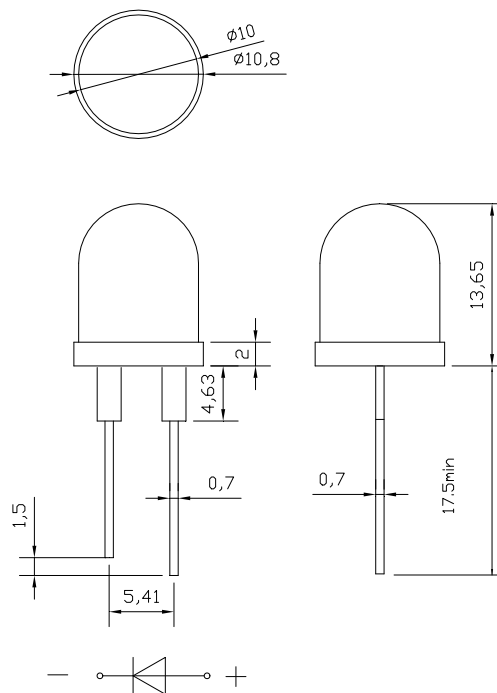


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Absolute Maximum Ratings at Ta=25°C

| PARAMETER | MAXIMUM RATING | UNITS |
|---|----------------|-------|
| Power Dissipation | 1000 | mW |
| Peak Current (1) | 350 | mA |
| Forward Current (DC) | 350 | mA |
| Reverse Voltage (I _R = 10μA) | 5 | V |
| Operating Temperature | -25 to +85 | °C |
| Storage Temperature | -40 to +100 | °C |

Package configuration:



- 1.All dimensions are millimeters (inches)
- 2.Tolerance is $\pm 0.25\text{mm}$ (.010") unless otherwise noted.