

560 pcs 3/5 mm Standard LED assortment with LED mount and pre-resistors

Item No.: 00430307

This range of experiments and practitioners with superbright standard LEDs with a diameter of 5 mm and various series resistors is ideal for immediate start in experiments with semiconductor light. Through resistor combinations of parallel or series connection or varying the supply voltage, different operating currents (brightnesses) can be realized. Addition LED mounting clips for easy mount and installation onto casing or panel. A brief description of the components contained is clearly printed on the inside of the lid.



Carbon Film Fixed Resistor

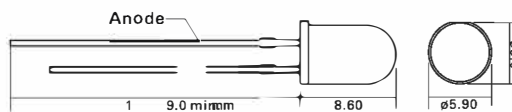
| | 1st digit | 2nd digit | multiply | tolerance |
|--------|-----------|-----------|----------|-----------|
| Black | 0 | 0 | 1Ω | |
| Brown | 1 | 1 | 10Ω | 1% |
| Red | 2 | 2 | 100Ω | 2% |
| Orange | 3 | 3 | 1KΩ | |
| Yellow | 4 | 4 | 10KΩ | |
| Green | 5 | 5 | 100KΩ | 0.50% |
| Blue | 6 | 6 | 1MΩ | 0.25% |
| Violet | 7 | 7 | 10MΩ | 0.10% |
| Gray | 8 | 8 | | 0.05% |
| White | 9 | 9 | | |
| Gold | | | | 5% |
| Silver | | | | 10% |

Resistance - 220Ω, 470Ω, 680Ω, 1KΩ
 Rated Power - 0.25W
 Maximum Working Voltage - 250V
 Maximum Overload Voltage - 500V
 Dielectric Withstanding Voltage - 350V

LED Mounting Clips

Material: PA66, 94V-2
 Color: Black
 Operating Temperature: -10~75°C

ø 5 mm LED Diode



| Light Source | Red | Blue | Green | Yellow | Cold White | Warm White |
|--------------------------------|---------------|-----------|-----------|-----------|-------------|-------------|
| Lens color | Diffuse | Diffuse | Diffuse | Diffuse | Water clear | Water clear |
| Chip material | Gap | InGaAlP | InGaAlP | Gap | InGaAlP | InGaAlP |
| Wavelength / color temperature | 620-625nm | 460-470nm | 568-572nm | 587-590nm | 7000-9000K | 2800-3200K |
| Max. Luminous intensity | 800 mcd | 2000 mcd | 120 mcd | 800 mcd | 14000 mcd | 20000 mcd |
| Viewing angle (typ.) | 35° | 35° | 35° | 35° | 20° | 25° |
| Forward current (max.) | 20 mA | 30 mA | 20 mA | 30 mA | 20 mA | 20 mA |
| Forward voltage (typ.) | 2.0 V | 3.0 V | 3.0 V | 2.0 V | 3.0 V | 3.0 V |
| Operating temperature | -25°C - 80°C | | | | | |
| Storage temperature | -30°C - 100°C | | | | | |