

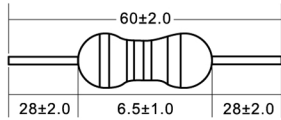
## 221pcs Universal LED assortment with assemble parts set

Item No.: 00430316

The universal assortment with a standart LEDs of diameter 3 mm and 5 mm, LED mounting clips, various series resistors, flexible power cable and heat shrink tube.



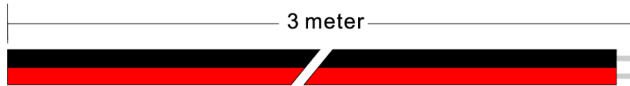
### Carbon Film Fixed Resistor



	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%
Grey	8	8		0.05%
White	9	9		
Gold				5%
Silver				10%

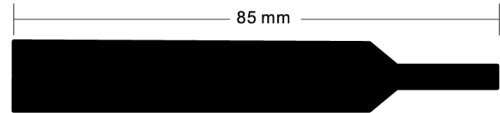
Resistance - 220Ω, 470Ω, 680Ω, 1KΩ  
 Rated Power - 0.25W  
 Maximum Working Voltage - 250V  
 Maximum Overload Voltage - 500V  
 Dielectric Withstanding Voltage - 350V

### Flexible flat twin cable



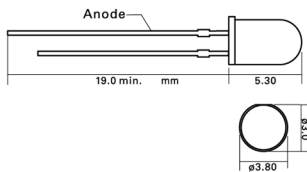
Cross-section: 2 x 0.14mm<sup>2</sup>  
 Outer diameter: 2.8 x 1.4 mm  
 Insulation: PVC

### Adhesive lined heat shrink tube



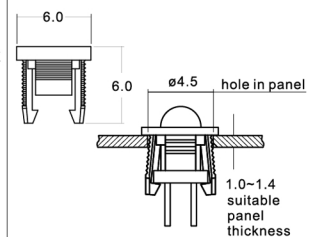
Shrinking ratio: 3:1  
 before shrink dia.: ø3mm min.  
 after shrink dia.: ø1.1mm max.  
 Shrinking temperature: 90-125°

### ø 3 mm LED Diode

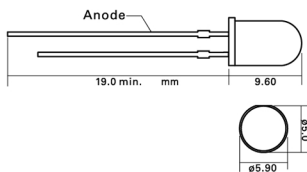


Light Source	Red	Blue	Green	Yellow	Cold White
Lens color	Diffuse	Diffuse	Diffuse	Diffuse	Water clear
Chip material	Gap	InGaAlP	InGaAlP	Gap	InGaAlP
Wavelength / color temperature	625-635nm	460-465nm	568-572nm	587-590nm	6000-6500K
Max. Luminous intensity	600 mcd	1500 mcd	100 mcd	600 mcd	8000 mcd
Viewing angle (typ.)	30°	30°	30°	30°	30°
Forward current (max.)	20 mA	20 mA	20 mA	20 mA	20 mA
Forward voltage (typ.)	2.0 V	3.0 V	2.0 V	2.0 V	3.0 V
Operating temperature	-25°C - 80°C				
Storage temperature	-30°C - 100°C				

### LED Mounting Clips for ø3mm LED



### ø 5 mm LED Diode



Light Source	Red	Blue	Green	Yellow	Cold White
Lens color	Diffuse	Diffuse	Diffuse	Diffuse	Water clear
Chip material	Gap	InGaAlP	InGaAlP	Gap	InGaAlP
Wavelength / color temperature	620-625nm	460-470nm	568-572nm	587-590nm	6000-6500K
Max. Luminous intensity	800 mcd	2000 mcd	120 mcd	800 mcd	14000 mcd
Viewing angle (typ.)	35°	35°	35°	35°	35°
Forward current (max.)	20 mA	30 mA	20 mA	30 mA	20 mA
Forward voltage (typ.)	2.0 V	3.0 V	3.0 V	2.0 V	3.0 V
Operating temperature	-25°C - 80°C				
Storage temperature	-30°C - 100°C				

### LED Mounting Clips for ø5mm LED

