

TECHNICAL DATA SHEET

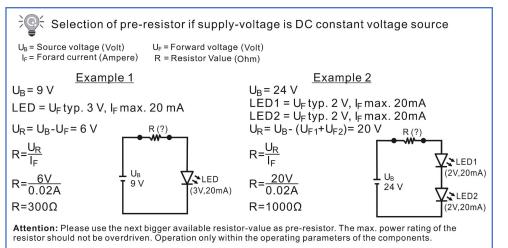
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LED Assortment 3 mm / 5 mm (500 pcs.) Part-No.: 230191, 230192





This round LED assortment is perfect for standard applications and experiments with semiconductor light. Please note that LEDs always need to be driven with current-limitation (pre-resistor, selection see below or constant-current-source) to avoid any damages of the component. Anode = positive / Cathode = negative voltage. LEDs are not shock-sensitive and have a low power consumption.



Technical data: Operating-Temp.: -25 ... +85 °C · Lead soldering temp. max. 270 °C (5 s, one time only) · Storage-Temp.: -30 ... +100 °C · Reverse voltage: max. 5 V · Reverse current: max. 1.0 μ A (@ U_R= 5V) Lifetime within the operating parameters: min. 50,000 h · Package type: diffused (White = clear) · Content per Set: 500 pcs.

LED Assortment 3 mm Part-No.: 23O191

LED-Ø	Color	Luminous int. I _v (max.)	Viewing angle (half light)	Package-type	Wavelength/ Color-Temp. (typ.)	Forward voltage U _F (typ.)	Forward current I _F (max.)	Content	Part-No. Single item
3 mm	Red	700 mcd	30 °	Diffused-Red	625 nm	2 V	20 mA	100 pcs.	21110155
3 mm	Green	2500 mcd	30 °	Diffused-Green	520 nm	3 V	20 mA	100 pcs.	21110152
3 mm	Yellow	700 mcd	30 °	Diffused-Yellow	590 nm	2 V	20 mA	100 pcs.	21110154
3 mm	Blue	1300 mcd	30 °	Diffused-Blue	460 nm	3 V	20 mA	100 pcs.	21110151
3 mm	White	8000 mcd	25 °	Clear	8000 K	3 V	20 mA	100 pcs.	21110177

LED Assortment 5 mm Part-No.: 23O192

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LED-Ø	Color	Luminous int. I _v (max.)	Viewing angle (half light)	Package-type	Wavelength/ Color-Temp. (typ.)	Forward voltage U _F (typ.)	Forward current I _F (max.)	Content	Part-No. Single item
5 mm	Red	700 mcd	30 °	Diffused-Red	625 nm	2 V	20 mA	100 pcs.	21110160
5 mm	Green	2500 mcd	30 °	Diffused-Green	520 nm	3 V	20 mA	100 pcs.	21110157
5 mm	Yellow	700 mcd	30 °	Diffused-Yellow	590 nm	2 V	20 mA	100 pcs.	21110159
5 mm	Blue	1300 mcd	30 °	Diffused-Blue	460 nm	3 V	20 mA	100 pcs.	21110156
5 mm	White	15000 mcd	25 °	Clear	8000 K	3 V	20 mA	100 pcs.	21110182

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