

Electro Optical Components, Inc.

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LIGHT EMITTING DIODES

Packages

Generally, LEDs are mounted in the package that provides two electrical leads, a transparent optical window for the emission and heat-sinking. An LED chip is soldered/glued to the package surface that is connected to the one of the lead wires. The top contact of the chip is connected to the other lead with a bonding wire.

We offer a range of standard packages for LEDs and LED-matrices as follows:

✓ TO-type packages:

TO18 – appropriate for mounting one-element LEDs, single-wavelength matrices, 2-wavelength matrices

TO5 (TO39) – appropriate for mounting one element LEDs or LED-matrices

TO8 – appropriate for mounting multi-element LED-matrices

✓ SMD type packages:

CS3 (SMD 3 \times 3 mm), CS5 (SMD 5 \times 5 mm), CS5R (SMD 5 \times 5 mm with microreflector) – appropriate for mounting one-element LEDs or single-wavelength matrices

CS5R-3M (SMD 5×5 mm) – appropriate for mounting three-element LED-matrices

TO18



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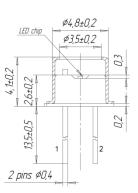
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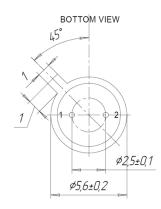
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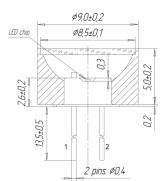
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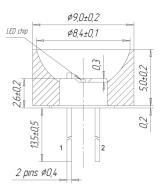


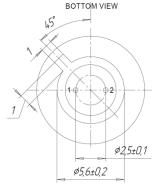


TO18-R TO18-RW









- Very miniature packages with limited area for mounting
- Material kovar, finish gold/plating
- The number of lead pins is 2 or 3
- Equipped with a cap (with/without a glass window) or a parabolic reflector (with/without a glass window)
 Cap protects LED device from damage

Parabolic reflector with a glass window (RW) or without a window (R) protects LED device from damage and provides at reduction of the radiation divergence.