



Chips and light emitting diodes

EPIGAP Optoelektronik GmbH offers chips and LEDs from 360nm to 1750nm, which show very low variation of optical and electrical parameters, high degradation stability and efficiency.

Our LEDs are available in various housing designs. In addition to the common 5mm or 3mm plastic housings, SMDs in 1206-, 0805- and PLCC-housings are also available. Housing, beam radiation distribution, wavelength and optical power can be adjusted and varied to meet customer's needs. Infrared LEDs are also available with switching times of 10ns. Furthermore, TO cans for high reliability and high temperature range are also available for assembly.



We design your success in optoelectronics



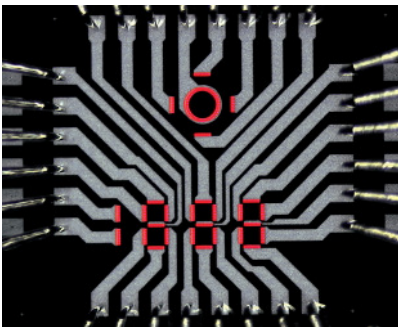
Standard chips and LEDs from 360nm up to 1750nm

- with low variation of optical and electrical parameters
- 100% chip testing and logging of data as peak wavelength, intensity, output power, forward voltage at different currents
- sorting in accordance with special wavelength or output power requirements
- various housings (3 mm, 5 mm, SMDs, TO-packages, COB) to meet customer's needs perfectly



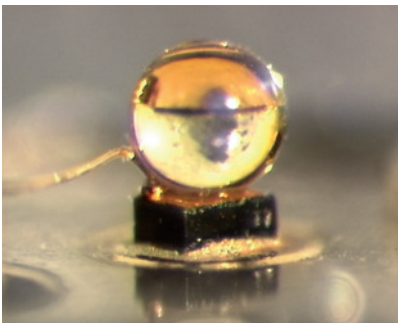
Custom designed chips

- for high power applications with chip size 1mm x 1mm or larger
- with special layouts for optical requirements
- COB systems with integrated lenses
- measurement and sorting in accordance with customer's needs
- special features like wavelengths and rise and fall time



Monolithic display chips for cameras, microscopes and range finders

- segmented LED-chips for letters and numbers
- symbols such as dots, rings, lines, arrows, crosses
- technology: red illumination at 660nm from GaAsP/GaAs
- minimum character size of 20µm
- chip on board solutions



Point source LED chips

- with well defined diameter (Ø 25, 50 and 150µm)
- for precise imaging of radiation area
- no edge radiation, no disturbance, wire bond is outside of emitting point
- used in miniature light barriers with ball lens mounted on emitting area
- available wavelength in visible (595 and 650nm) and infrared range (740, 850 and 870nm)



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