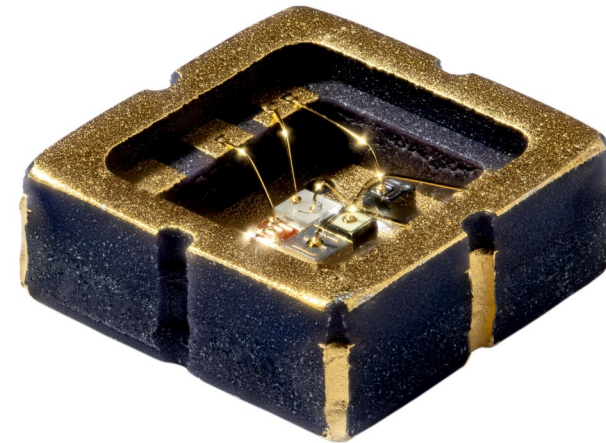


## New SMD Ceramic Packages

Small and flexible to use multi-chip SMD package with optimized thermal management and wavelength selection

### Features:

- ◆ SMD type 3 x 3 x 1.1 mm up to **5 LED-Chips**
- ◆ SMD type 5 x 5 x 1.1 mm up to **7 LED-Chips**
- ◆ Selection of different wavelengths from **UV 355 nm up to NIR 1650 nm**
- ◆ Excellent thermal conductivity of **Al<sub>2</sub>O<sub>3</sub>** ceramic package
- ◆ Optical encapsulant silicone or glass window
- ◆ Each chip can be addressed separately
- ◆ Reflow solderable



### Applications:

- ◆ Spectral photometers
- ◆ Biomedical analyzers
- ◆ Water quality inspection
- ◆ Online food and feed safety measurement
- ◆ Diagnostic of vital parameters

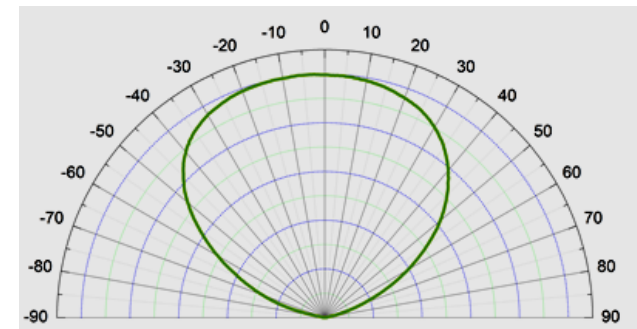


## Summary of significant technical parameters

### Properties:

- ◆ Operating temperature range: - 20 °C up to + 120 °C
- ◆ Maximum forward current : approx. 100 mA
- ◆ Thermal conductivity: 14 W/mK
- ◆ Full viewing angle: 120 °
- ◆ Lead free solderable, solder pads gold plated
- ◆ RoHS and REACH conform

### Radiation pattern:



### Typical optical output power @ 50 mA:

380 nm	10.0 mW
450 nm	17.0 mW
590 nm	4.5 mW
630 nm	15.0 mW
660 nm	2.2 mW
720 nm	5.9 mW
810 nm	4.5 mW
910 nm	4.0 mW
1070 nm	12.0 mW
1200 nm	6.0 mW
1460 nm	3.3 mW

### Package dimensions:

