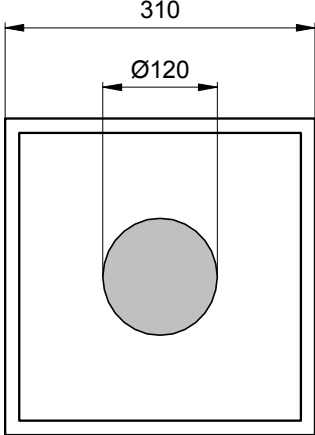


| Radiation | Type     | Technology   | Electrodes   |
|-----------|----------|--------------|--------------|
| Red       | Standard | AlInGaP/GaAs | P (anode) up |

|                                                                                                 |                                |  |
|-------------------------------------------------------------------------------------------------|--------------------------------|--|
|  <p>LED-02</p> | typ. dimensions (µm)           |  |
|                                                                                                 | typ. thickness<br>260 (±20) µm |  |
|                                                                                                 | cathode<br>gold alloy, 0.5 µm  |  |
|                                                                                                 | anode<br>gold alloy, 1.5 µm    |  |

### Optical and Electrical Characteristics

T<sub>amb</sub> = 25°C, unless otherwise specified

| Parameter                       | Test conditions        | Symbol            | Min | Typ | Max | Unit |
|---------------------------------|------------------------|-------------------|-----|-----|-----|------|
| Forward voltage                 | I <sub>F</sub> = 20 mA | V <sub>F</sub>    |     | 2.0 | 2.5 | V    |
| Reverse voltage                 | I <sub>R</sub> = 10 µA | V <sub>R</sub>    | 5   |     |     | V    |
| Radiant power <sup>1</sup>      | I <sub>F</sub> = 20 mA | Φ <sub>e</sub>    |     | 1.3 |     | mW   |
| Radiant power <sup>2</sup>      | I <sub>F</sub> = 20 mA | Φ <sub>e</sub>    |     | 2.5 |     | mW   |
| Luminous intensity <sup>1</sup> | I <sub>F</sub> = 20 mA | I <sub>V</sub>    | 55  | 70  |     | mcd  |
| Peak wavelength                 | I <sub>F</sub> = 20 mA | λ <sub>P</sub>    | 630 | 635 | 640 | nm   |
| Dominant wavelength             | I <sub>F</sub> = 20 mA | λ <sub>D</sub>    |     | 626 |     | nm   |
| Spectral bandwidth at 50%       | I <sub>F</sub> = 20 mA | Δλ <sub>0.5</sub> |     | 18  |     | nm   |

<sup>1</sup>Measured on bare chip on TO-18 header with *EPIGAP* equipment

<sup>2</sup>Measured on epoxy covered chip on TO-18 header with *EPIGAP* equipment

### Labeling

| Type         | Lot N° | I <sub>V</sub> (typ) [mcd] | V <sub>F</sub> (typ) [V] | Quantity |
|--------------|--------|----------------------------|--------------------------|----------|
| ELC-635-14-3 |        |                            |                          |          |

**Packing:** Chips on adhesive film with wire-bond side on top