



### Absolute Maximum Ratings (Ta=25°C)

| Item                       | Symbol  | Value      | Unit |
|----------------------------|---------|------------|------|
| Power Supply               | Voltage | 5          | V    |
| Duty Cycle                 | Duty    | 1/2        | -    |
| Operating Temperature      | Topr    | -30 ~ +85  | °C   |
| Storage Temperature        | Tstg    | -40 ~ +100 | °C   |
| Lead Soldering Temperature | Tsol    | 260°C/5sec | -    |

\* Pulse width Max 0.1ms, Duty ratio max 1/10

### Electrical –Optical Characteristics (Ta=25°C)

| Part Number               | Color        | V <sub>F</sub> (V) |      |      | I <sub>V</sub> (mcd)* |      |      | λ <sub>D</sub> (nm)* |      |      | Fled (Hz)*<br>Typ. | 2∅1/2<br>(deg)<br>Typ. |
|---------------------------|--------------|--------------------|------|------|-----------------------|------|------|----------------------|------|------|--------------------|------------------------|
|                           |              | Min.               | Typ. | Max. | Min.                  | Typ. | Max. | Min.                 | Typ. | Max. |                    |                        |
| LED-5-BL-1,8-WEISS-750    | Cool White   | 3.0                | 3.5  | 5.0  | 500                   | 750  | -    | CCT: 8000-18000K     |      |      | 1.8                | 130                    |
| LED-5-BL-1,8-W-WEISS-750  | Warm White   | 3.0                | 3.5  | 5.0  | 500                   | 750  | -    | CCT: 2700-3200K      |      |      |                    |                        |
| LED-5-BL-1,8-BLAU-150     | Blue         | 3.0                | 3.5  | 5.0  | 100                   | 150  | -    | 465                  | 470  | 475  |                    |                        |
| LED-5-BL-1,8-GRÜN-750     | Green        | 3.0                | 3.5  | 5.0  | 500                   | 750  | -    | 520                  | 525  | 530  |                    |                        |
| LED-5-BL-1,8-GELB/GRÜN-35 | Yellow Green | 3.0                | 3.5  | 5.0  | 25                    | 35   | -    | 565                  | 570  | 575  |                    |                        |
| LED-5-BL-1,8-GELB-100     | Yellow       | 3.0                | 3.5  | 5.0  | 68                    | 100  | -    | 585                  | 590  | 595  |                    |                        |
| LED-5-BL-1,8-GELB-750     | Yellow       | 3.0                | 3.5  | 5.0  | 500                   | 750  | -    | 585                  | 590  | 595  |                    |                        |
| LED-5-BL-1,8-ORANGE-150   | Orange       | 3.0                | 3.5  | 5.0  | 100                   | 150  | -    | 600                  | 605  | 610  |                    |                        |
| LED-5-BL-1,8-ROT-100      | Red          | 3.0                | 3.5  | 5.0  | 68                    | 100  | -    | 620                  | 625  | 630  |                    |                        |
| LED-5-BL-1,8-ROT-750      | Red          | 3.0                | 3.5  | 5.0  | 500                   | 750  | -    | 620                  | 625  | 630  |                    |                        |

\*1 Tolerance of measurements of chromaticity coordinates is ± 10%

\*2 Tolerance of measurements of dominant wavelength is ± 1nm

\*3 Tolerance of measurements of luminous intensity is ± 15%

\*4 Tolerance of measurements of forward voltage is ± 0.1V

\*5 Tolerance of measurements of Frequency is 20%.