

# H5050-009 RGB

6-Pin full color 3-Chip LED.

|             |   |   |               |
|-------------|---|---|---------------|
| Blue anode  | 1 | 6 | Blue cathode  |
| Red anode   | 2 | 5 | Red cathode   |
| Green anode | 3 | 4 | Green cathode |

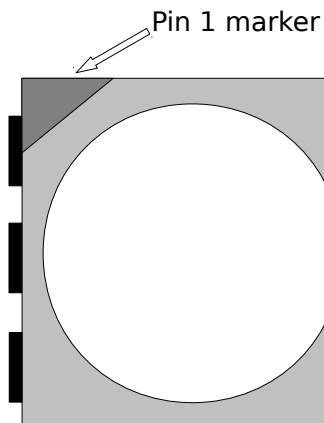
## Characteristics

| Forward voltage ( $V_f$ )                    | Minimum | Typical | Maximum | Unit    |
|--|---------|---------|---------|---------|
| Red  | 1.9     | -       | 2.1     | V       |
| Green  | 3.0     | -       | 3.3     | V       |
| Blue   | 3.0     | -       | 3.3     | V       |
| <b>Viewing angle</b>                         |         | 120     |         | °       |
| <b>Luminous intensity (<math>I_V</math>)</b> |         |         |         |         |
| Red  | 300     | 500     | 900     | mcd     |
| Green  | 1000    | 1200    | 1600    | mcd     |
| Blue   | 300     | 500     | 900     | mcd     |
| <b>Reverse current (<math>I_R</math>)</b>    |         |         | 10      | $\mu$ A |

## Absolute maximum ratings

(At  $T_A = 25^\circ\text{C}$ )

|                             | Red          | Green | Blue | Unit |
|-----------------------------|--------------|-------|------|------|
| Reverse voltage ( $V_R$ )   | 5            | 5     | 5    | V    |
| Forward current ( $I_F$ )   | 25           | 30    | 30   | mA   |
| Power dissipation ( $P_D$ ) | 105          | 120   | 105  | mW   |
| Operation temperature       | -40°C - 85°C |       |      |      |



## Package

