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Product Data Sheet

LED Lamp UV

EOLD-365-525

Rev. 01 aus 2011

| Radiation | Type | Case |
|--------------|---------------------|------------------|
| Ultra violet | resin mold packaged | 5mm plastic lens |

| | |
|--|---|
| | Description: Dimension in mm High power, high-speed, narrow beam angle, high reliability |
|--|---|

Maximum Ratings

T_{amb} = 25°C, unless otherwise specified

| Parameter | Test Conditions | Symbol | Value | Unit |
|-----------------------|------------------------------------|------------------|------------|------|
| Forward Current | | I _F | 25 | mA |
| Peak forward current | (d. c. < 1/10, p. width < 0.1msec) | I _{FM} | 100 | mA |
| Reverse current | V _R = 5V | I _R | 85 | mA |
| Power dissipation | | P _D | 100 | mW |
| Operating temp. range | | T _{amb} | -30 to +80 | °C |
| Storage temp. range | | T _{stg} | -30 to +85 | °C |
| Lead soldering temp. | < 5s, 3mm from case | T _{slg} | 260 | °C |

Optical and Electrical Characteristics

T_{amb} = 25°C, unless otherwise specified

| Parameter | Symbol | Conditions | Min | typ | max | Unit |
|---------------------------|-------------------|-----------------------|-----|-----|-----|------|
| Forward voltage | V _F | I _F = 20mA | 3.0 | 3.6 | 4.2 | V |
| Radiant Power | Φ _e | I _F = 20mA | | 6 | | mW |
| Peak wavelength | λ _p | I _F = 20mA | 363 | | 370 | nm |
| Viewing angle | φ | I _F = 20mA | | 15 | | deg. |
| Spectral bandwidth at 50% | Δλ _{0,5} | I _F = 20mA | | 15 | | nm |



We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

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