

# 5mm Red LED Lamps Q500HCR1D

5mm with AlGaInP Dice

Encapsulated with Red Diffused lens Package

Long Leads

### Absolute Maximum Ratings :

| Parameter                   | Maximum Rating                                    | Unit |
|-----------------------------|---|------|
| Peak Forward Current        | 120   | mA   |
| Continuous Forward Current  | 30  | mA   |
| Operating Temperature Range | -20 to +75  |      |
| Storage Temperature Range   | -40 to +100                                       |      |
| Lead Soldering Temperature  | 260 for 3 seconds<br>1.6mm (0.063 inch) from body |      |

### Electro-Optical Characteristics $T_a = 25$

| Parameter Radiant  | Test Condition      | Symbol          | Min. | Typ. | Max. | Unit          |
|--------------------|---------------------|-----------------|------|------|------|---------------|
| Forward Voltage    | $I_f = 20\text{mA}$ | $V_f$           |      | 2.20 | 2.60 | V             |
| Reverse Current    | $V_r = 5\text{V}$   | $I_r$           |      |      | 10   | $\mu\text{A}$ |
| Luminous Intensity | $I_f = 20\text{mA}$ | $I_v$           |      | 85   |      | mcd           |
| Spectral Bandwidth | $I_f = 20\text{mA}$ | $\Delta\lambda$ |      |      |      | nm            |
| Wavelength         | $I_f = 20\text{mA}$ | $\lambda_p$     |      | 645  |      | nm            |
|                    |                     | $\lambda_d$     |      | 640  |      | nm            |
| Half View Angle    | $I_f = 20\text{mA}$ | $2\theta_{1/2}$ |      | 30   |      | deg           |

### Package

Item: 500



