



YETDA INDUSTRY LTD.

5mm Blue Ultra Bright LED Lamps S500TB1D-H

- 5mm with InGaN dice ◦
- Encapsulated with Blue 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 | -40°C to +85°C | |
| Storage Temperature Range | -50°C to +100°C | |
| Lead Soldering Temperature | 260°C for 3 seconds 1.6mm(0.063 inch) from body | |

Electro-Optical Characteristics (Ta = 25°C)

| Parameter Radiant | Test Condition | Symbol | Min. | Typ. | Max. | Unit |
|--------------------|----------------|------------------|------|------|------|------|
| Forward Voltage | If = 20mA | Vf | | 3.2 | 3.8 | V |
| Reverse Current | Vr = 5V | Ir | | | 10 | uA |
| Luminous Intensity | If = 20mA | Iv | 800 | 1200 | | mcd |
| Spectral Bandwidth | If = 20mA | $\Delta\lambda$ | | 35 | | nm |
| Wavelength | If = 20mA | λ_p | | | | nm |
| | | λ_d | 465 | 470 | 475 | nm |
| Half View Angle | If = 20mA | 2 $\theta_{1/2}$ | | 80 | | deg |

Package

Item: 500

