

## 5mm Blue Super Bright LED Lamps S500TBCR4H-12V

- 5 mm with InGaN dice plus resistor chip
- Encapsulated with Water Clear Lens package
- \* Two 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° + 100°	
Lead Soldering Temperature	260° for 3 seconds 1.6mm (0.063 inch) from body	

### Electro-Optical Characteristics $\theta_a = 25^\circ$

Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	$I_f = 20\text{mA}$	$V_f$		9	12	V
Reverse Current	$V_r = 5\text{V}$	$I_r$			10	$\mu\text{A}$
Luminous Intensity	$I_f = 20\text{mA}$	$I_v$		1200		mcd
Spectral Bandwidth	$I_f = 20\text{mA}$	$\Delta\lambda$		35		nm
Wavelength	$I_f = 20\text{mA}$	$\lambda_p$		475		nm
		$\lambda_d$		470		nm
Half View Angle	$I_f = 20\text{mA}$	$2\theta_{1/2}$		30		deg

### Package

Item: 500

