

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 $T_a = 25^\circ\text{C}$

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	μA
Luminous Intensity	$I_f = 20\text{mA}$	I_v		1200		mcd
Spectral Bandwidth	$I_f = 20\text{mA}$	$\Delta\lambda$		35		nm
Wavelength	$I_f = 20\text{mA}$	λ_p		475		nm
		λ_d		470		nm
Half View Angle	$I_f = 20\text{mA}$	$2\theta_{1/2}$		30		deg

Package

Item: 500

