

5mm Yellow Super Bright LED Lamps Q500IUY1D

- 5 mm AlGaInP dice
- Encapsulated with Yellow Diffused 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 $\theta_{Ta} = 25^{\circ}$

Parameter Radiant	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	$I_f = 20\text{mA}$	V_f	1.8	2.0	2.4	V
Reverse Current	$V_r = 5\text{V}$	I_r			10	μA
Luminous Intensity	$I_f = 20\text{mA}$	I_v		200		mcd
Spectral Bandwidth	$I_f = 20\text{mA}$	$\Delta\lambda$		35		nm
Wavelength	$I_f = 20\text{mA}$	λ_p		595		nm
		λ_d	583	590	598	nm
Half View Angle	$I_f = 20\text{mA}$	$2\theta_{1/2}$		80		deg

Package

Item: 500

