



YETDA INDUSTRY LTD.

**F500HCHTG4K-CC**  
**5mm Red + Green Bi Color LED Lamps**

- \* 5mm Bi-color with AlGaInP and InGaN Dice.
- \* Encapsulated with Water Clear Package with 3 leads.
- \* Common Cathode

**Absolute Maximum Ratings : ( Ta=25°C )**

Parameter	Symbol	Red	Green	Unit
Power Dissipation	PD	100	100	mw
Reverse Voltage	VR	5	5	V
Average Forward Current	LAF	30	30	mA
Peak Forward Current (Duty=0.1,10KHZ)	IPF	200	200	mA
Operating Temperature Range	T <sub>OPR</sub>	-20°C to +80 °C		
Storage Temperature Range	T <sub>STG</sub>	-40°C to +100 °C		
Lead Soldering Temperature {1.6mm(0.063inch) From Body} 260°C For 3 Seconds				

**Electro-Optical Characteristics ( Ta = 25°C )**

Parameter	Test Condition	Symbol	Min.	Typ.	Max.	Unit
Forward Voltage	I <sub>F</sub> = 20mA	V <sub>F</sub>	Red	2.2	2.4	V
			Green	3.2	3.8	
Reverse Current	V <sub>R</sub> = 5V	I <sub>R</sub>			10	uA
Luminous Intensity	I <sub>F</sub> = 20mA	I <sub>v</sub>	Red	760	1600	mcd
			Green	1450	2900	mcd
Wavelength	I <sub>F</sub> = 20mA	λ <sub>D</sub>	Red		625	nm
			Green		525	nm
Viewing Angle	I <sub>F</sub> = 20mA	2θ 1/2		20		deg

**Package**

Item: F500

