

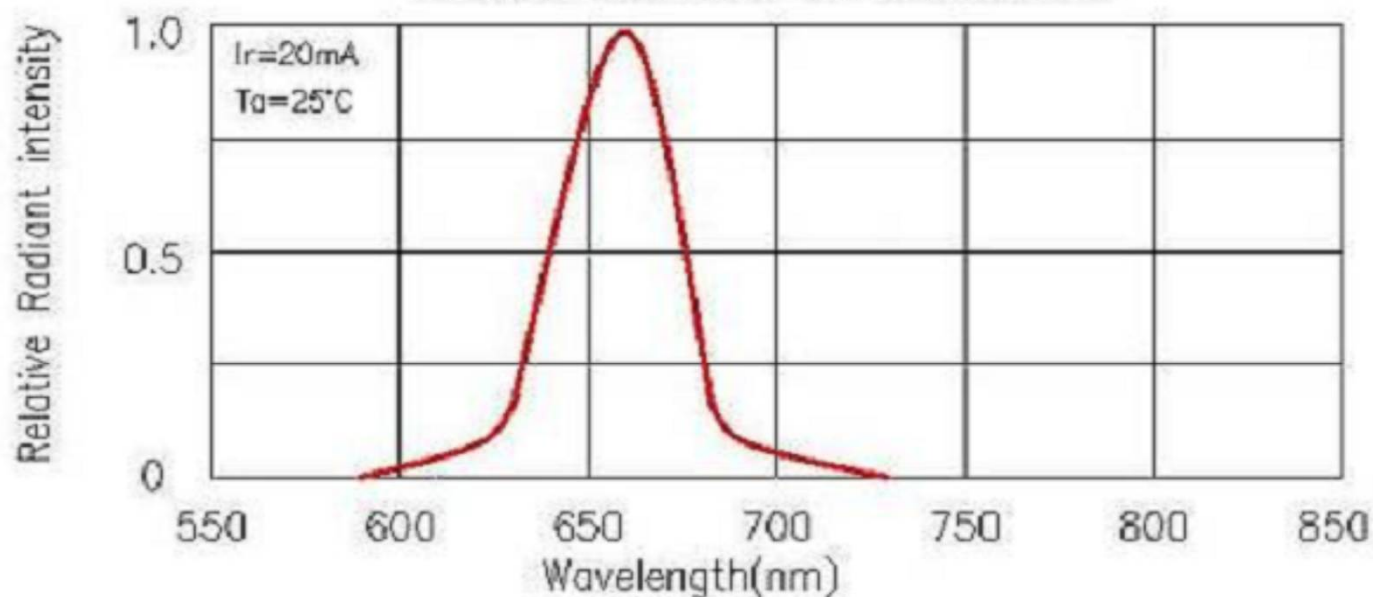
### 1. Electro-Optical Characteristics (Ta=25°C)

PARAMETER	SYMBOL	DEVICES (ULTRA-BRIGHT RED)		UNIT	TEST CONDIONS
		TYP	MAX		
Peak Emission Wavelgrth	$\lambda_p$	640		nm	IF=10mA
Forward Voltage	VF	1.8		V	IF=10mA
Reverse Current	IR		50	$\mu$ A	VR=5V
Segment To Segment (Dot To Dot) Luminous Intensity Ratio	IV-M	1.5:1			IF=20

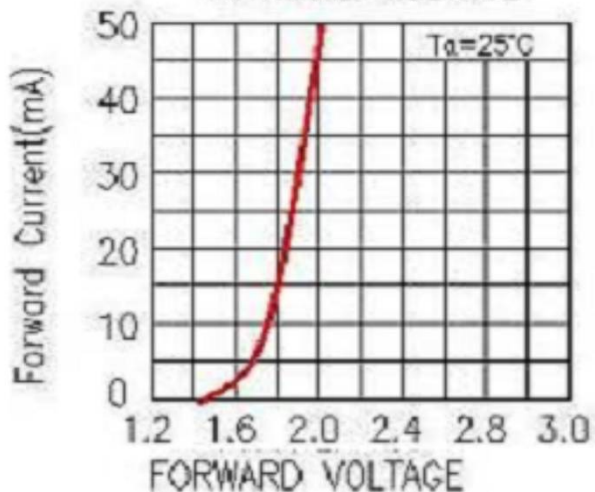
2. Absolute Maximun Ratings( $T_a=25^{\circ}\text{C}$ )

PARAMETER	SYMBOL	DEVICES (ULTRA-BRIGHT RED)	UNIT
Power Dissipation Per Dice	pad	100	mw
Derating Linear From $25^{\circ}\text{C}$ Per Dice		0.5	mA/ $^{\circ}\text{C}$
Continuous Forward Current Per Dice	I <sub>af</sub>	30	mA
Peak Forward Current Per Dice (Duty Cycle 1/10,10KHz)	I <sub>pf</sub>	200	mA
Reverse Voltage Per Dice	V <sub>r</sub>	5	V
Operating Temperature	T <sub>opr</sub>	-20 $^{\circ}\text{C}$ (to) +75 $^{\circ}\text{C}$	
Storage Temperature	T <sub>stg</sub>	-20 $^{\circ}\text{C}$ (to) +85 $^{\circ}\text{C}$	
Solder Temperature		1.6Inch Below Seating Place for 5 seconds at 230 $^{\circ}\text{C}$	

RELATIVE INTENSITY VS WAVELENGTH



FORWARD CURRENT VS FORWARD VOLTAGE



LUMINOUS INTENSITY VS FORWARD CURRENT

