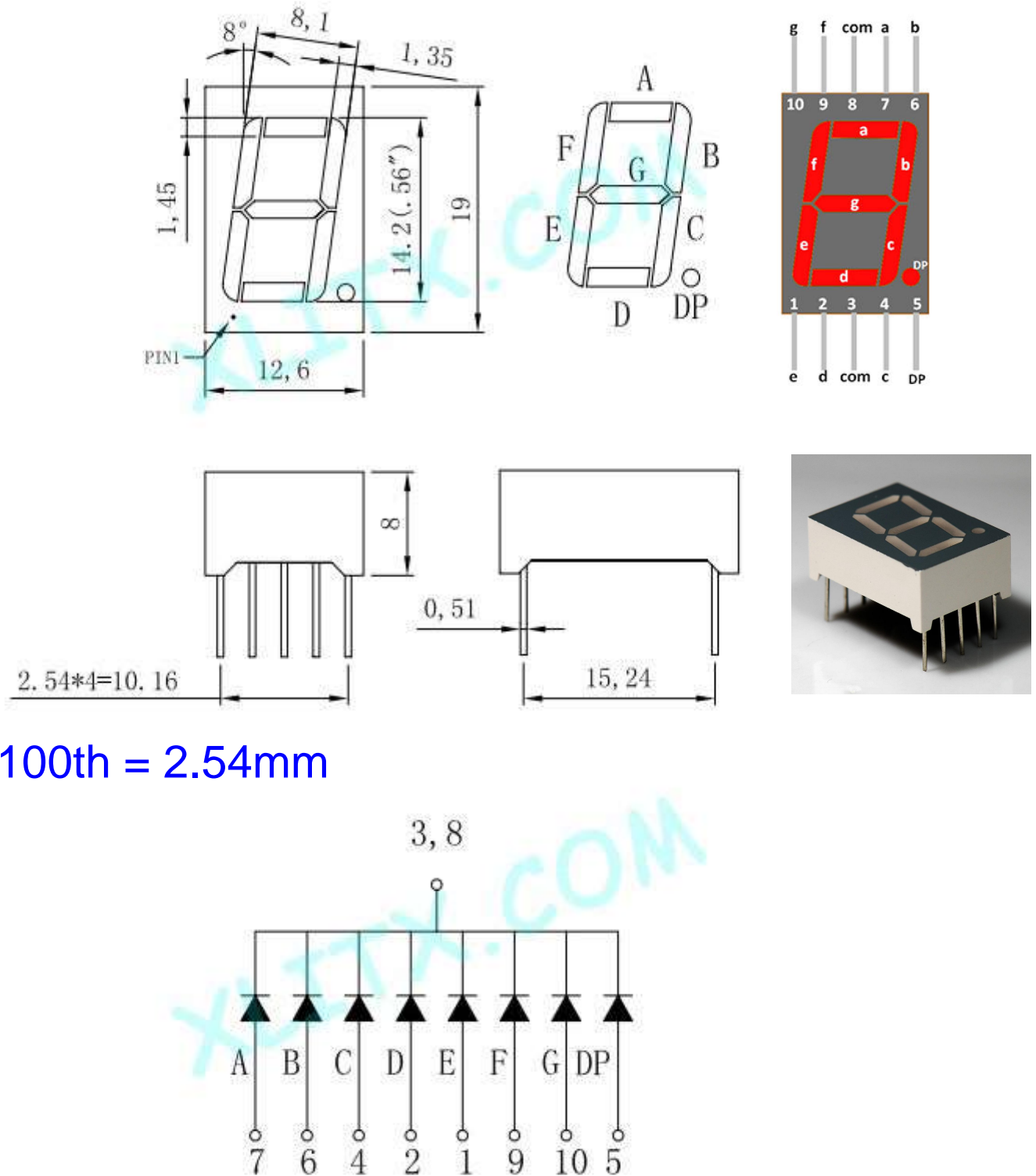




**Model :** 5611AH  
**Size :** 0.56-inch  
**Emitting color :** Red (Ultra-Bright )  
**Mode :** Common-Cathode (CC)  
**Digit :** Single Digit  
**Category :** LED 7-Segment Display  
**Maker :** XLITX Technology

**Prices :** \$0.45 = 100 Pieces    \$0.21 = 500 Pieces    \$0.16 = 1000 Pieces    (Free shipping)

## Dimension & Diagram



## Ultra-Bright Red Electro-Optical Parameter

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

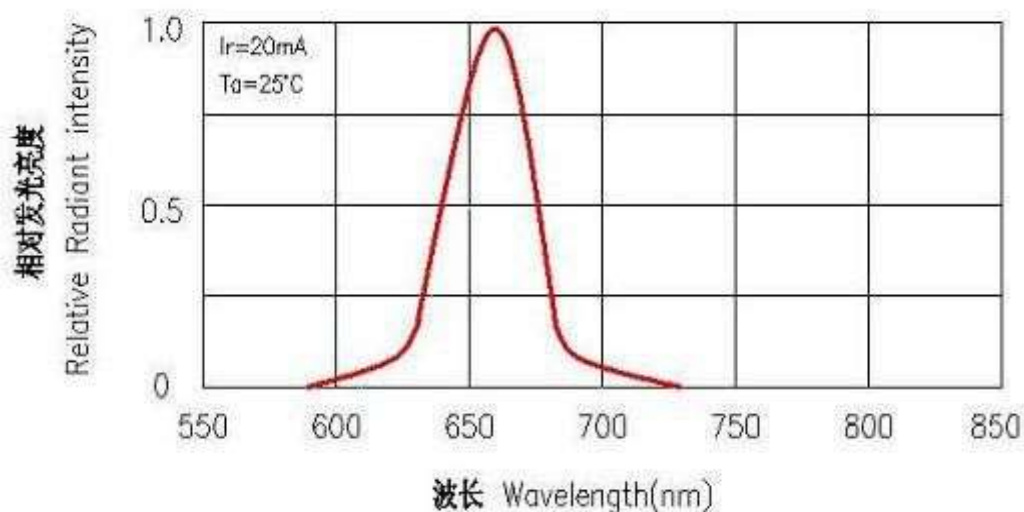
PARAMETER	SYMBOL	DEVICES ( ULTRA-BRIGHT RED )		UNIT	TEST CONDIONS
		TYP	MAX		
Peak Emission Wavelength	$\lambda_p$	640		nm	IF=10mA
Forward Voltage	V <sub>F</sub>	1.8		V	IF=10mA
Reverse Current	I <sub>R</sub>		50	μA	V <sub>R</sub> =5V
Segment To Segment (Dot To Dot) Luminous Intensity Ratio	IV-M	1.5:1			IF=20

### 2. Absolute Maximun Ratings(Ta=25℃)

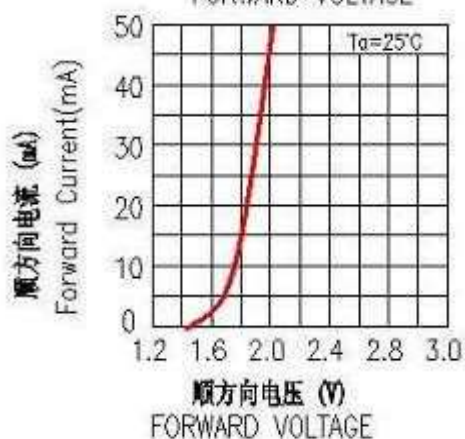
PARAMETER	SYMBOL	DEVICES ( ULTRA-BRIGHT RED )	UNIT
Power Dissipation Per Dice	pad	100	mw
Derating Linear From 25℃ Per Dice		0.5	mA/℃
Continuous Forward Current Per Dice	I <sub>af</sub>	30	mA
Peak Forward Ourrent Per Dice (Duty Cycle 1/10,10KHz)	I <sub>pf</sub>	200	mA
Reverse Voltage Per Dice	V <sub>r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

### 3. Electro-Optical Curve

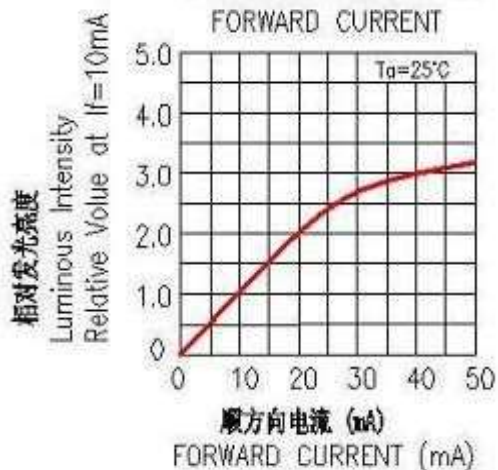
相对亮度与波长 RELATIVE INTENSITY VS WAVELENGTH



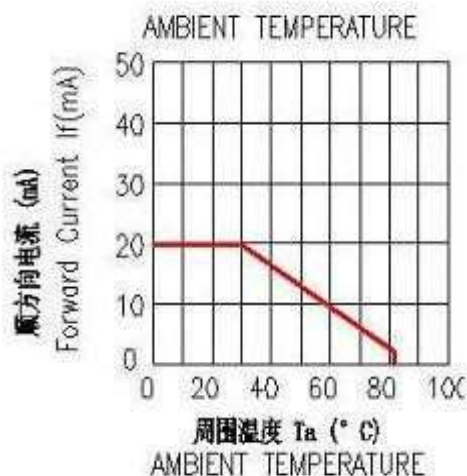
顺电流-顺电压特性  
FORWARD CURRENT VS  
FORWARD VOLTAGE



相对光度-顺电流特性  
LUMINOUS INTENSITY VS  
FORWARD CURRENT



允许顺电流-周围温度特性



相对光度-周围温度特性  
LUMINOUS INTENSITY VS  
AMBIENT TEMPERATURE

