

This is 0.54" 14 segment common cathode LED and the color is yellow green.

It can display more characters than 7 segment LEDs, include letters and numbers.

It is compatible with bread board and can work with Arduino by adding some current limiting resistors. So, it is suitable for people who are newbies of electronics.

Note: It is just a segment LED without control chip.

Corresponding Interface:

High intensity and reliability

High quality, low power requirement and low cost

IC compatible, easy assembly

ESD 2000V

Specification:

0.54 Inch dual digits display

common anode

black face, white segment

Luminous Color: Yellow Green

Chips Materials: AlGaInP

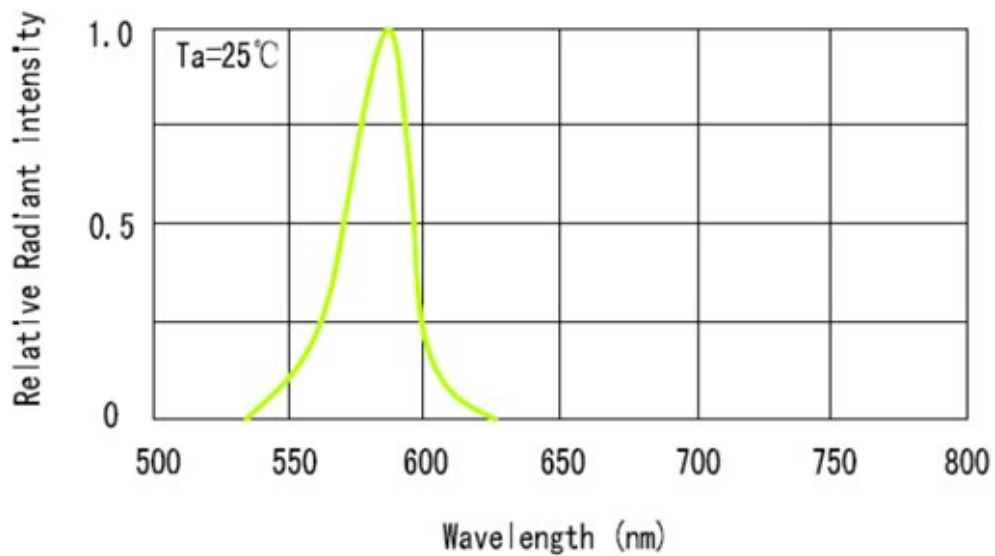
■ 产品最大绝对参数值 (Ta: 25°C) ABSOLUTE MAXIMUM RATINGS AT Ta=25°C:

PARAMETER 项目	SYMBOL 符号	Y/GREEN 黄绿色	UNIT 单位
Power Dissipation Per Segment 功耗	PAD	50	mw
Reverse Voltage Per Segment 反向耐压	VR	5	V
Continuous Forward Current Per Segment 最大使用电流	IAF	20	mA
Peak Forward Current Per Segment(Duty-0.1,1KHz) 最大峰值电流	IPF	60	mA
Operating Temperature Range 工作温度	TOPr	-20°C to 80°C	
Storage Temperature Range 贮藏温度	Tstg	-30°C to 85°C	
Lead Soldering Temperature 260°C at 1.6mm From Body for 3 second 焊接温度 260°C/3 秒 距离胶体 1.6mm 以上			

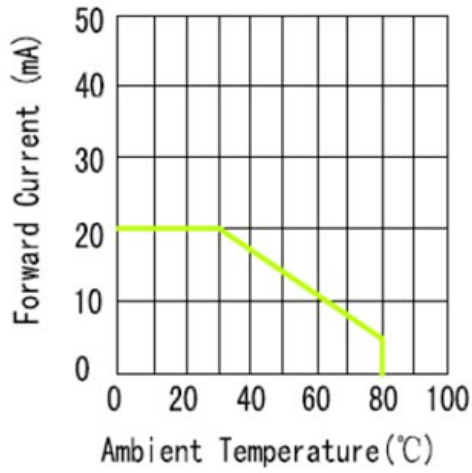
■ 产品光电参数值 (Ta: 25°C) **ELECTRICAL/OPTICAL CHARACTERISTICS AT Ta=25°C:**

PARAMETER 项目	SYMBOL 符号	TEST CONDITION 测试条件	Color 颜色	MIN 最小值	TYP 标准值	MAX 最大值	UNIT 单位
Forward Voltage ,Per Segment 正向压降	VF	IF=20mA	黄绿色 Y/GREEN	2.0	2.2	2.5	V
Reverse Current , Per Segment 反向漏电流	IR	VR=5V	黄绿色 Y/GREEN			50	μA
Peak Emission Wavelength 峰值波长	$\lambda_p$	IF=20mA	黄绿色 Y/GREEN	570	571	573	nm
Luminous Intensity Per Segment 法向光强	IV	IF=20mA	黄绿色 Y/GREEN	15	18	20	mcd

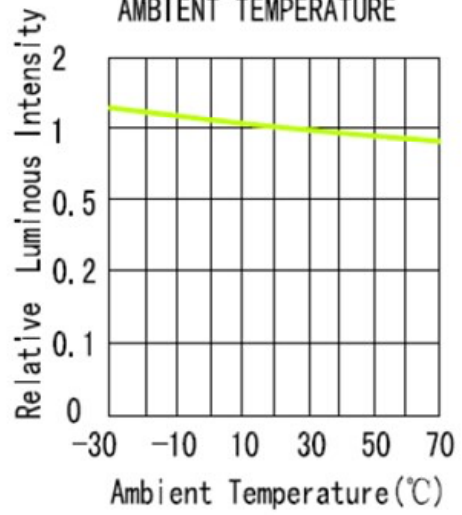
RELATIVE INTENSITY VS. WAVELENGTH



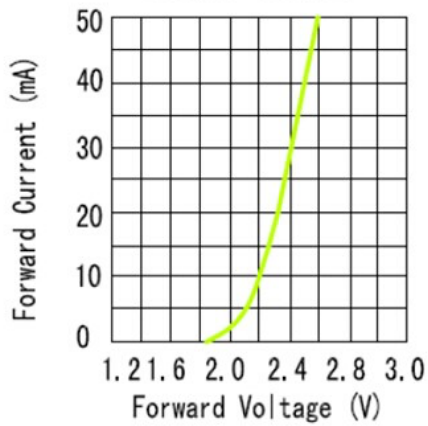
ALLOWABLE FORWARD CURRENT  
AMBIENT TEMPERATURE



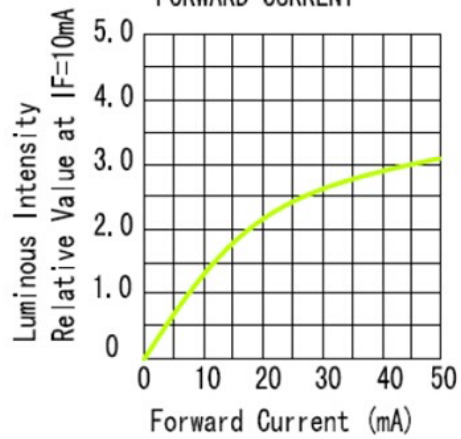
LUMINOUS INTENSITY VS.  
AMBIENT TEMPERATURE

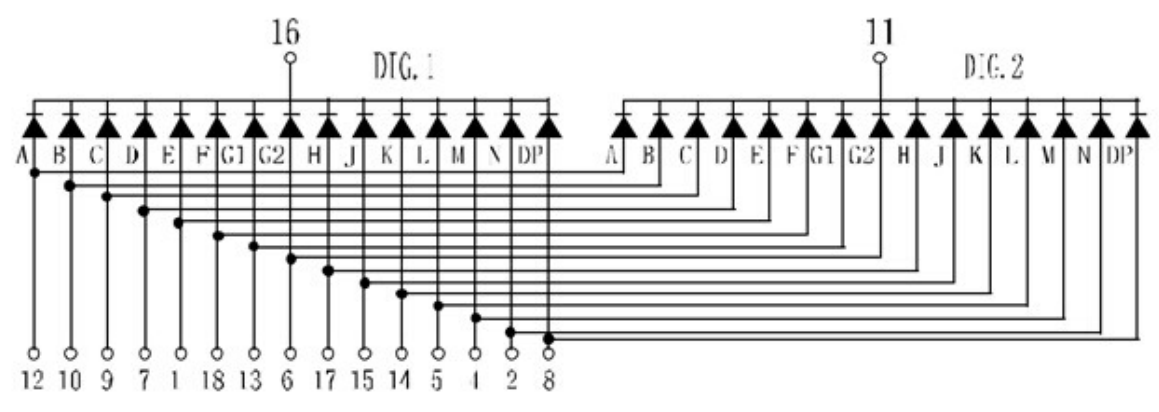
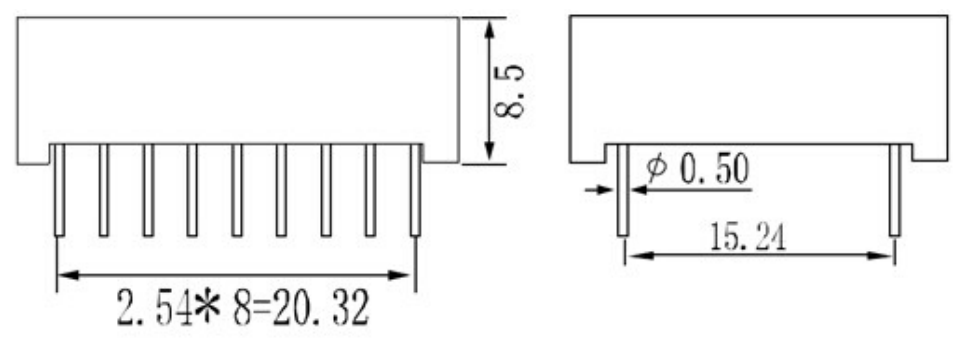
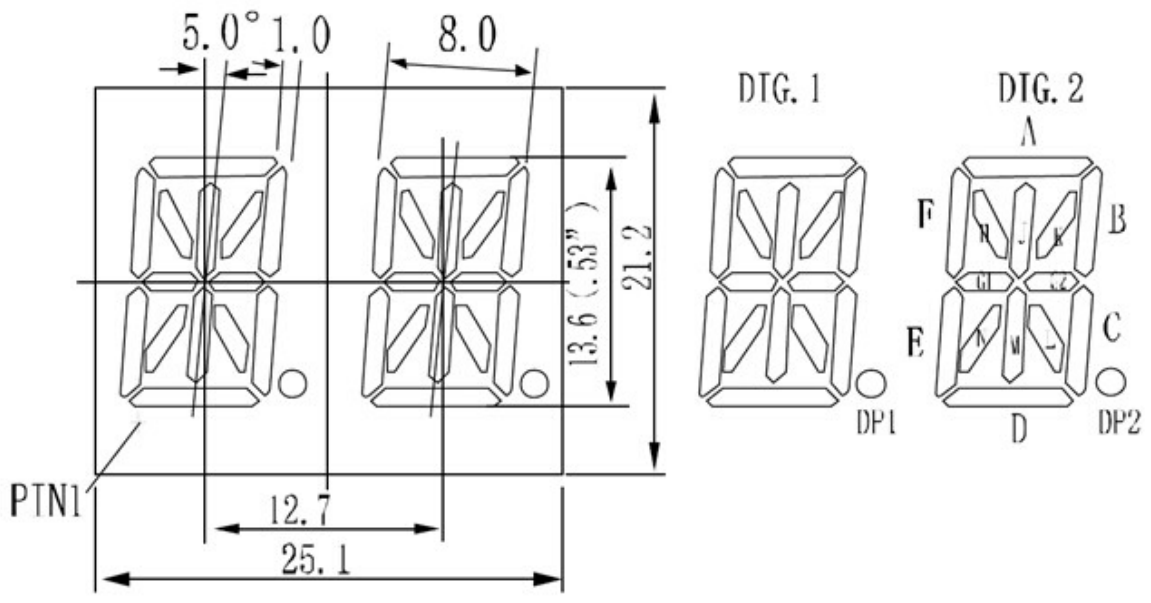


FORWARD CURRENT VS.  
FORWARD VOLTAGE



LUMINOUS INTENSITY VS.  
FORWARD CURRENT





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