■0.56 Inch (14.20mm) digit height Single Digit Display

■Case mold type.

■RoHS compliant.

■Low current operation

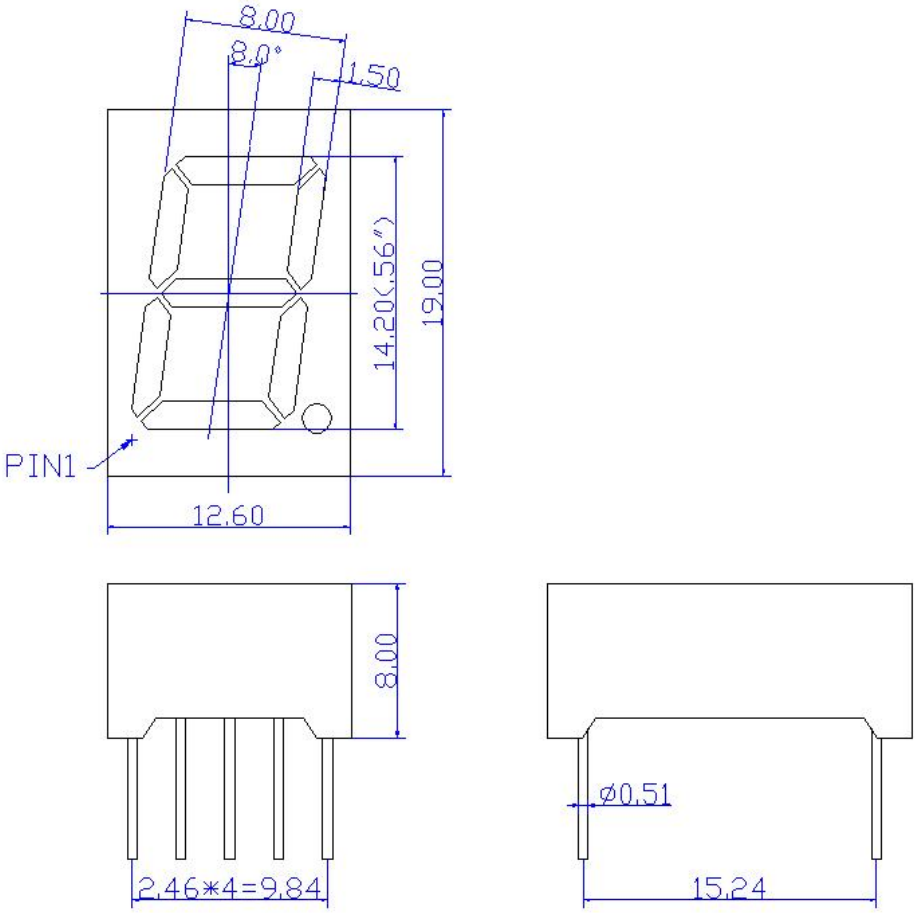
■Low power consumption.

■Easy mounting on P.C. board or socket.

■ **-X: REF Surface**

Color / Number	H1	H2
REF Surface Color	○ Black	○ Gray

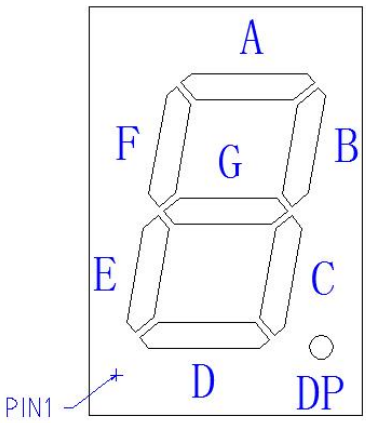
■ **Mechanical Dimensions**



Notes:

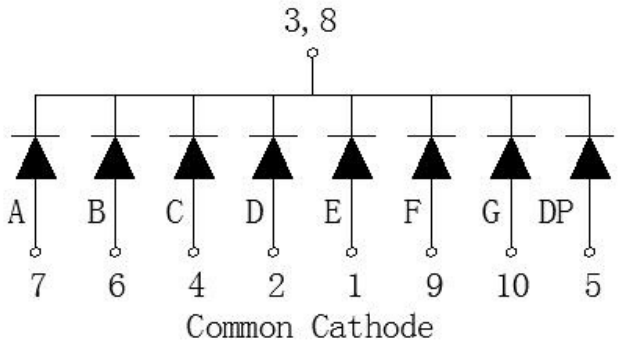
1. All pins are Φ0.45[.019]mm
2. Dimension in millimeter [inch], tolerance is ±0.25 [.010] and angle is ±1° unless otherwise noted.
3. Bending≤Length*1%.
4. The specifications,characteristics and technical data described in the datasheet are subject to change without prior notice.
5. The drawing is different from the actual one, please refer to the sample.

■ All Light On Segments Feature & Pin Position



■ Internal Circuit Diagrams

YI



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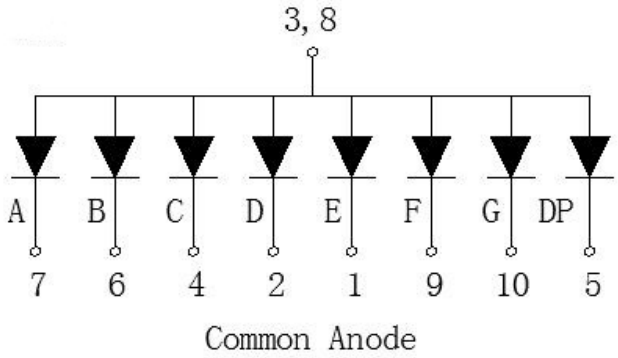

■ **Absolute maximum ratings** (Ta=25℃)

Parameter	Symbol	Test Condition	Value		Unit
			Min	Max	
Reverse Voltage	VR	IR=30	5	—	V
Forward Current	IF	—	—	30	mA
Power Dissipation	Pd	—	—	100	mW
Pulse Current	Ipeak	Duty=0.1mS,1KHz	—	150	mA
Operating Temperature	Topr	—	-40	+85	℃
Storage Temperature	Tstr	—	-40	+85	℃

■ **Electrical-Optical Characteristics**

● Color Code & Chip Characteristics:(Test Condition:IF=10mA) (Ta=25℃)

Emitting Color		Dice Material	Peak Wave Length(λ_P)	Dominant Wavelength(λd)	Spectral Line halfwidth (Δλ1/2)	Forward Voltage(VF) Unit:V		Luminous Intensity (Iv) Unit:mcd
						Typ	Max	
Ultra brightness								
SR	Red	AlGaInP	660nm	645nm	20nm	2.00	2.50	20~50
HR	Red	AlGaInP	632nm	625nm	20nm	2.00	2.50	40~85
FO	Orange	AlGaInP	612nm	605nm	20nm	2.00	2.50	30~105
SY	Yellow	AlGaInP	592nm	590nm	20nm	2.00	2.50	30~135
KYG	Yellow Green	AlGaInP	572nm	570nm	30nm	2.00	2.50	20~60
TCG	Pure Green	InGaN	*	520nm	36nm	3.00	3.80	350~450
LB	Blue	InGaN/GaN	*	460nm	30nm	3.00	3.80	120~180
B2W	White	InGaN/GaN	X=0.29,Y=0.30		CCT:9500K	3.00	3.80	60~120~180
Segment-to-Segment Luminous Intensity ratio(Iv-M) 1.5:1								

Note:

1.Luminous Intensity is based on the standards.

其他/Others

1. 本规格所描述的 LED 定义应用在普通的的电子设备范围（例如办公设备、通讯设备等等）。如果有更为严苛的信赖度要求，特别是当元件失效或故障时可能会直接危害到生命和健康时（如航天、运输、交通、医疗器械、安全保护等等），请事先知会敝司业务人员。

The LEDs described here are intended to be used for ordinary electronic equipment (such as office equipment, communication equipment and household applications).Consult Sales in advance for the applications in which exceptional reliability is required, particularly when the failure or malfunction of the LEDs may directly jeopardize life or health.

(such as in aviation, transportation, traffic control equipment, medical and life support systems and safety devices).

2. 高亮度 LED产品点亮时可能会对人眼造成伤害，应避免从正上方直视。

The light output from the high luminous intensity LEDs may cause injury to human eyes when viewed directly.

3.出于持续改善的目的，产品外观和参数规格可能会在没有预先通知的情况下作改良性变化。

The appearance and specifications of the product may be modified for improvement without prior notice.