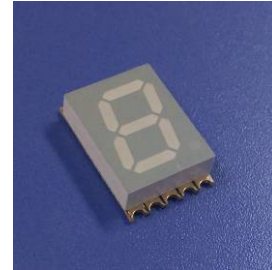


■ **Photo**



■ **Features**

- 0.39 Inch One Digit Display
- Long lifetime operation
- IC compatible
- Low power dissipation
- Gray surface & white segment or dot
- RoHS compliant

■ **Applications**

- Counting device
- Clock

■ **Absolute Maximum Rating (Ta=25°C)**

Item	Symbol	Value		Unit
		W/B/TG	YG/Y/O/R/RA	
DC Forward Current	I <sub>F</sub>	25	25	mA
Pulse Forward Current#	I <sub>FP</sub>	80	80	mA
Reverse Voltage	V <sub>R</sub>	5	5	V
Power Dissipation	P <sub>t</sub>	90	65	mW
Operating Temperature	T <sub>opr</sub>	-30~ +85		°C
Storage Temperature	T <sub>stg</sub>	-40~ +100		°C
Lead Soldering Temperature(1.6mm Below body)	T <sub>sol</sub>	260°C/3sec		°C

#Pulse width Max.10ms Duty ratio max 1/10

#Reflow time Max3seconds

■ **Electrical -Optical Characteristics (Ta=25°C)**

Part Number	Color		V <sub>F</sub> (V)			I <sub>R</sub> (μA)	I <sub>v</sub> (mcd)			λD(nm)		
			Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
			I <sub>F</sub> =20mA			V <sub>R</sub> =5V	I <sub>F</sub> =10mA			I <sub>F</sub> =20mA		
OSK1039A-IW(LW)	White	W	-	3.1	3.6	100	20	50	80	6000K	8000K	10000K
OSK1039A-IB(LB)	Blue	B	-	3.1	3.6	100	5	10	15	465	470	475
OSK1039A-IG(LG)	True Green	TG		3.1	3.6	100	8	15	25	510	520	530
OSK1039A-IYG(LYG)	Yellow Green	YG		2.1	2.6	100	3	9	15	565	570	575
OSK1039A-IY(LY)	Yellow	Y		2.1	2.6	100	5	10	15	585	590	595
OSK1039A-IO(LO)	Orange	O		2.1	2.6	100	5	10	15	600	605	610
OSK1039A-IR(LR)	Red	R		2.1	2.6	100	4	9	15	625	630	640

\*1 Tolerance of measurements of chromaticity coordinate is ±10%

\*2 Tolerance of measurements of dominant wavelength is ±1nm

\*3 Tolerance of measurements of luminous intensity is ±15%

\*4 Tolerance of measurements of forward voltage is±0.1V

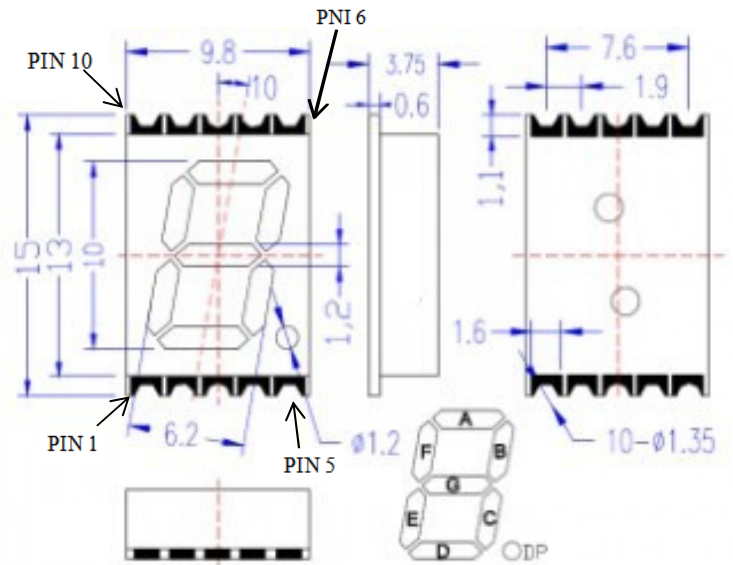
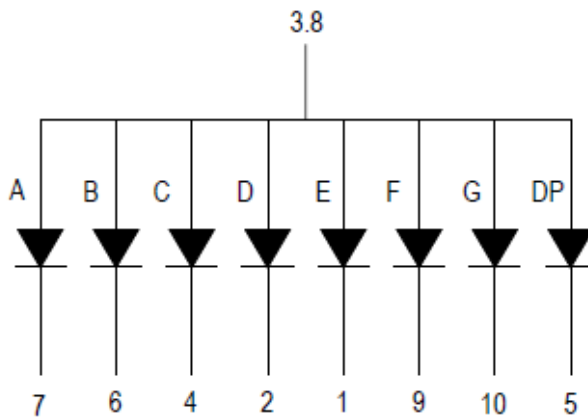
■ **Package Dimensions**

**OSK1039A-IX**

**(Common Anode type)**

Note:

1, Unit : mm( Tolerance:±0.25mm unless otherwise noted)

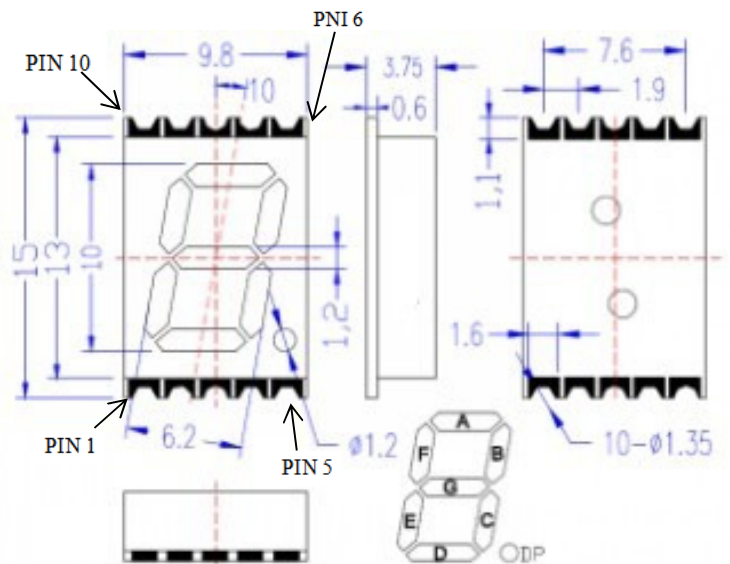
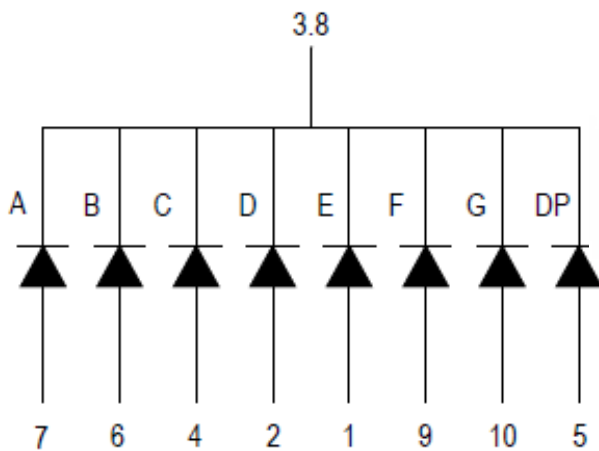


**OSK1039A-LX**

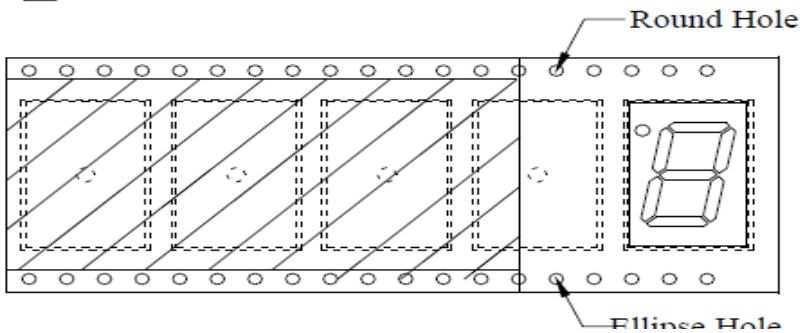
**(Common Cathode type)**

Note:

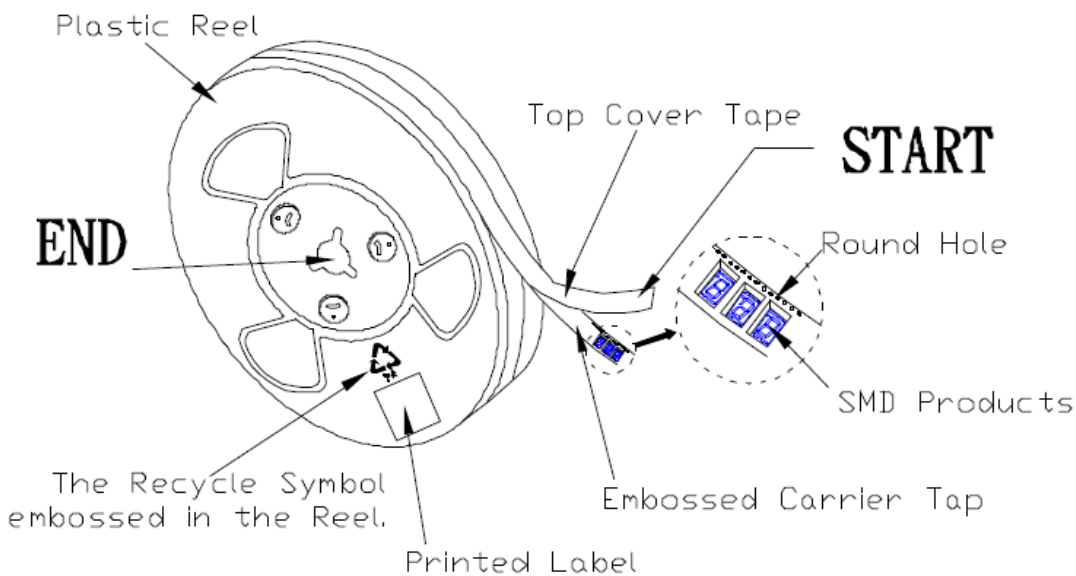
1, Unit : mm( Tolerance:±0.25mm unless otherwise noted)



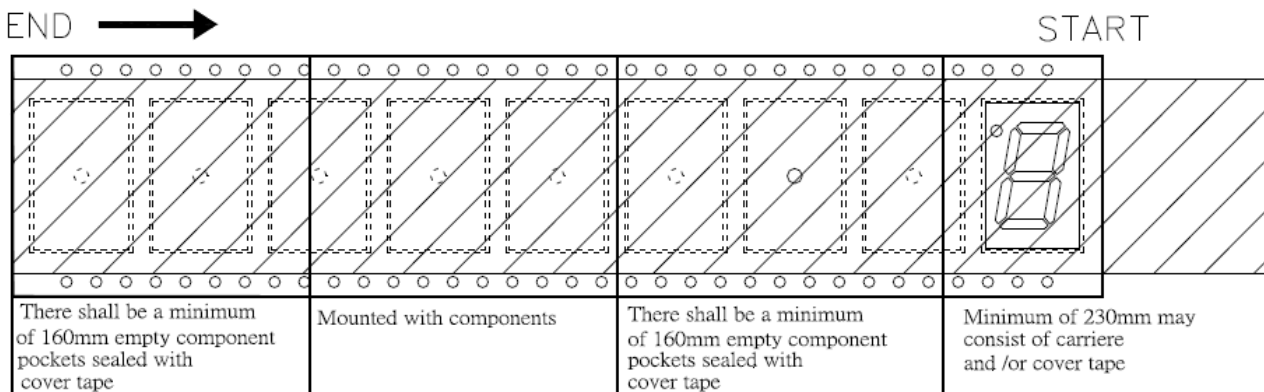
**■ The Products In The Reel Of Direction**



**■ Label Direction & Content In The Roll**



**■ USER FEED DIRECTION**



**■ Package Criteria:**

- 1. Total unit per reel is 1000PCS.**  
Max 5 reels/5000PCS are packaged in each carton



# CAUTION

This bag contains

## MOISTURE-SENSITIVE DEVICES

LEVEL

3

1. Calculated shelf life in sealed bag: 12 months at  $<40^{\circ}\text{C}$  and  $<90\%$  relative humidity (RH).
2. Peak package body temperature: Per Product Label
3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must be
  - a) Mounted within: 168 hours of factory conditions  $\leq 30^{\circ}\text{C}/60\% \text{RH}$
  - b) stored per J-STD-033
4. Devices require bake, before mounting, if:
  - a) Humidity Indicator Card is  $>10\%$  when read at  $23 \pm 5^{\circ}\text{C}$
  - b) 3a or 3b not met.
5. If baking is required, devices may be baked for 20 hours at  $60 \pm 5^{\circ}\text{C}$

**Bag Seal Date:** \_\_\_\_\_

If Blank, see adjacent bar code label

Note: Level and body temperature defined by IPC/JEDEC J-STD-020