

■ Features

- 0.39 Inch Two Digit Display
- Long lifetime operation
- IC compatible
- Low power dissipation
- Gray surface & white segment or dot
- RoHS compliant
- Number of pins :20

■ Applications

- Counting device
- Clock

■ Absolute Maximum Rating (Ta=25°C)

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

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

*Reflow time Max.3seconds

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

Part Number	Color			V _F (V)			I _R (μA)	I _v (mcd)			λD(nm)		
				Min.	Typ.	Max.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
				I _F =20mA			V _R =5V	I _F =10mA			I _F =20mA		
OSK2039B-IW(LW)	White	W			3.1	3.6	100	20	50	80	6000K	8000K	10000K
OSK2039B-IB(LB)	Blue	B		-	3.1	3.6	100	5	10	15	465	470	475
OSK2039B-IG(LG)	True Green	TG			3.1	3.6	100	8	15	25	510	520	530
OSK2039B-IYG(LYG)	Yellow Green	YG			2.1	2.6	100	3	9	15	565	570	575
OSK2039B-IY(LY)	Yellow	Y			2.1	2.6	100	5	10	15	585	590	595
OSK2039B-IO(LO)	Orange	O			2.1	2.6	100	5	10	15	600	605	610
OSK2039B-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%

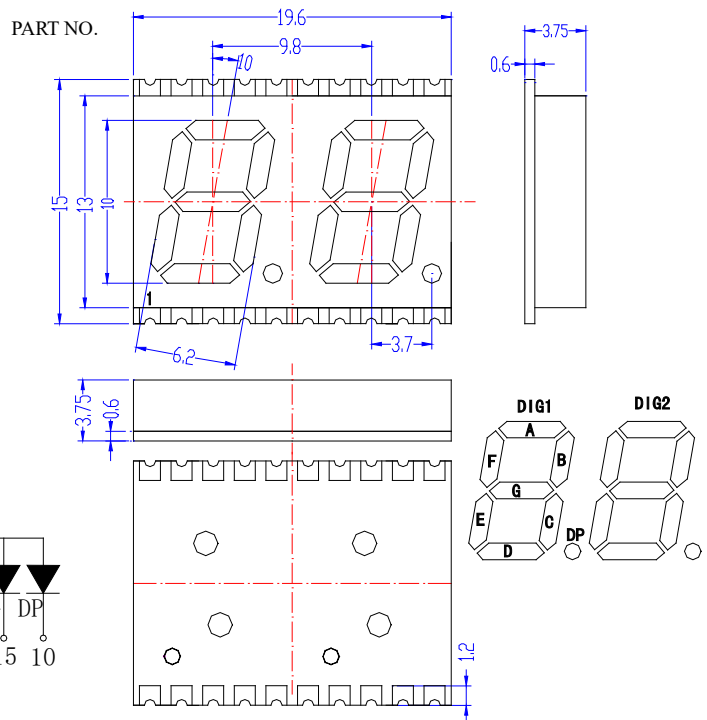
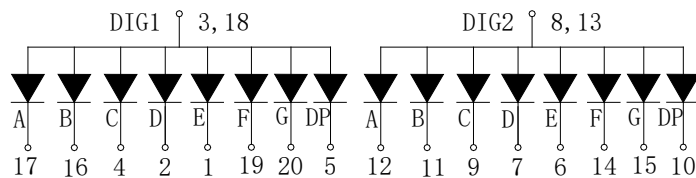
*4 Tolerance of measurements of forward voltage is ±0.1V

■ Package Dimensions

OSK2039B-IX (Common Anode type)

Note:

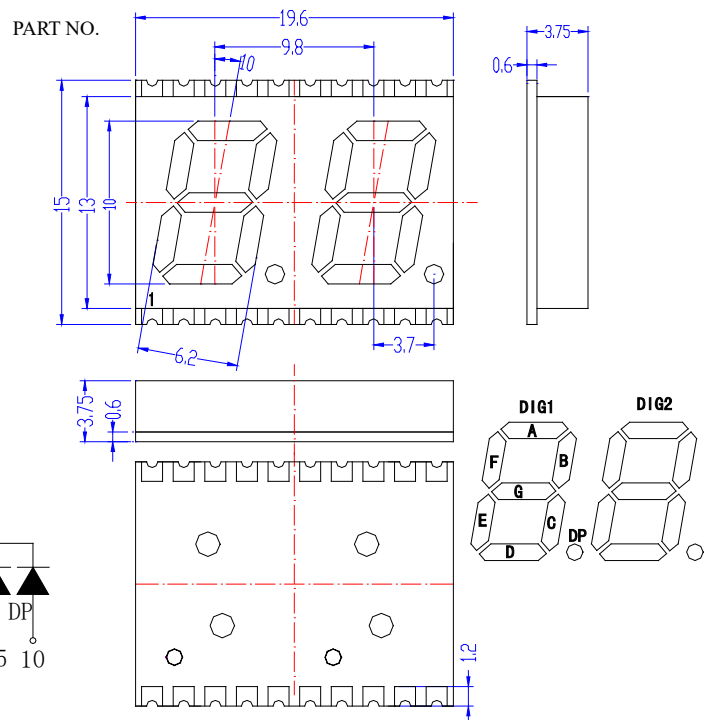
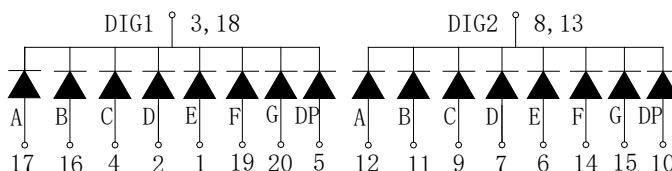
1, Unit : mm (Tolerance: ± 0.25 mm unless otherwise noted)



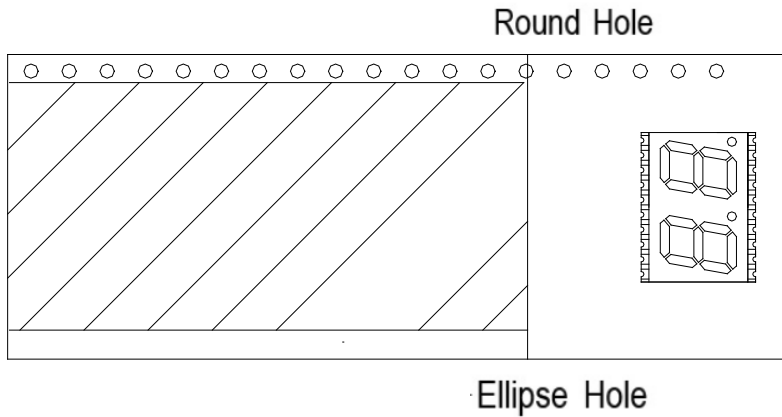
OSK2039B-LX (Common Cathode type)

Note:

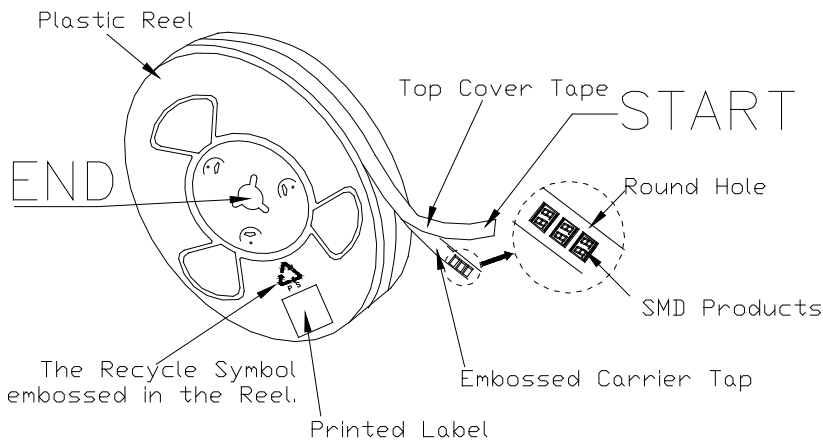
1, Unit : mm (Tolerance: ± 0.25 mm unless otherwise noted)



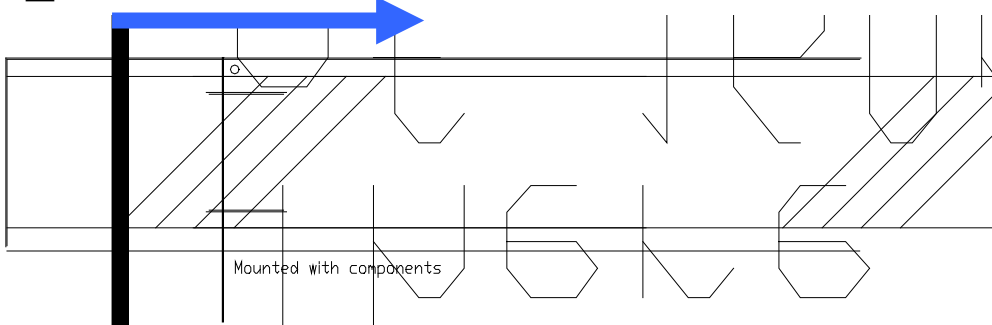
■ The Product in the Reel of Direction



■ Label Direction & Content in the Reel



■ USER FEED DIRECTION



■ Package Criteria:

Total unit per reel is 500pcs

Max 5 reels/2500PCS 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