



Feature -

OLED Display Resolution : 60 x 32 pixels
OLED Color : White
LED Color : Full Color
Interface : SPI / IIC

Application -

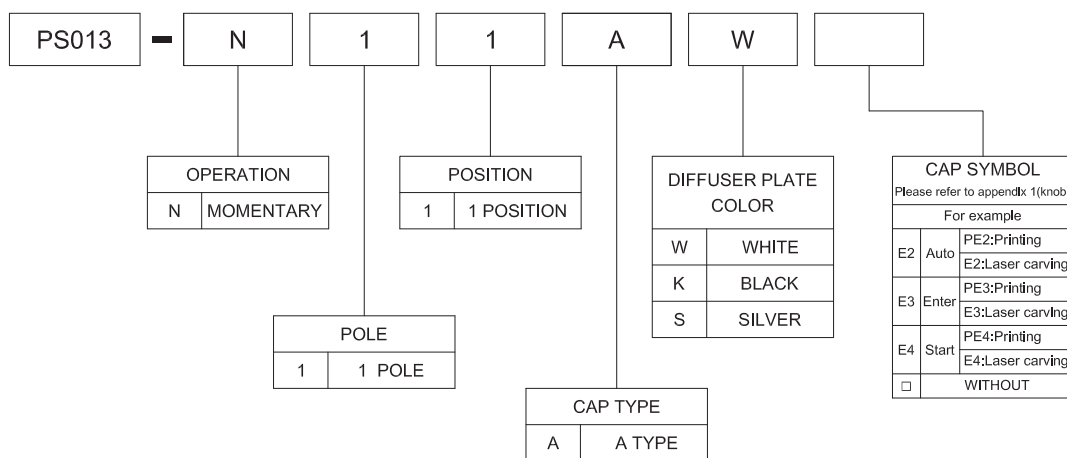
audio / video switchers
instrumentation
telecommunication
broadcast system
security system

SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	OFF - <ON> for Momentary Type , SPST
CONTACT RATING	MAX. : 1mA , 20VDC or 5mA , 5VDC MIN. : 1mA , 5VDC
CONTACT RESISTANCE	200 Ω MAX.
INSULATION RESISTANCE	100 MΩ MIN ; DC 100V
DIELECTRIC STRENGTH	Breakdown is not Allowable ; AC 250V (50~60 CYCLES) for 1 minute.
OPERATING FORCE	125 ± 35 gf
OPERATING LIFE	1,000,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	1.25 ± 0.3 mm

LED SPECIFICATIONS					
 ATTENTION  LEDs are Electrostatic Sensitive devices		Unit	Value / LED Color		
			Full Color		
			Red	Green	Blue
DC FORWARD CURRENT	If	mA	70	30	30
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	50	50
FORWARD VOLTAGE @5mA	Vf	V	1.7 - 2.3	2.5 - 3.1	3.3-4.0
LUMINOUS INTENSITY @5mA	Iv	mcd	200	420	80

HOW TO ORDER



▶ OLED ELECTRICAL CHARACTERISTICS

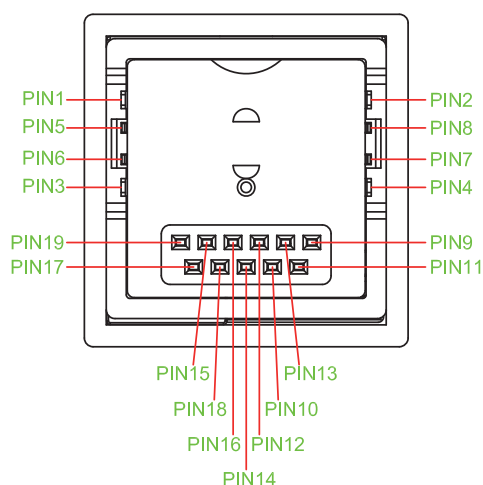
OLED Outline

Item	Specification	Unit
Display type	OLED display unit	—
Pixels	60 * 32	Dot
Color	White	—
Visible area (W x H)	12.5 * 7.2	mm
Active area (W x H)	11.25 * 5.986	mm
Dots pitch	0.188 * 0.188	mm
OLED driver IC	LD7032 / LDT	—
Interface	Serial(SPI / I2C)	—

OLED Absolute Maximum Rating

Item		Symbol	Min	Max	Unit
Supply Voltage (Ta = 25°C)	Drive System	VCC_C	- 0.3	18.0	V
	Logic System	VDD	- 0.3	3.63	V
	Interface System				
Input Voltage		Vin	- 0.3	VDD + 0.3	V
Operating Temperature		Topr	- 20	+ 70	°C
Storage Temperature		Tstg	- 30	+ 80	°C

PIN Structure

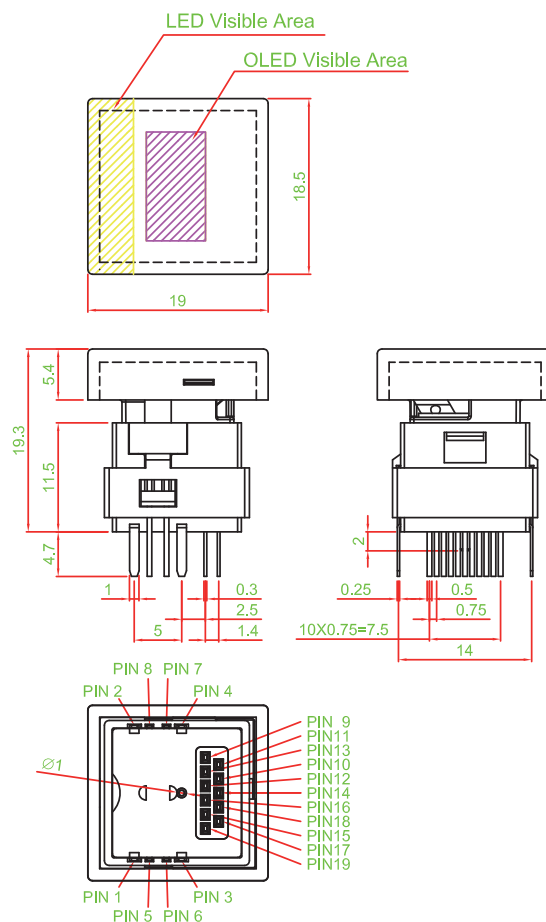


PIN No.	PIN Name	FUNCTION
1	SW	Terminal of Switch
2	SW	Terminal of Switch
3	SW	Terminal of Switch
4	SW	Terminal of Switch
5	LED C+	Full Color LED-Common Anode
6	LED G-	Full Color LED-Green Cathode
7	LED R-	Full Color LED-Red Cathode
8	LED B-	Full Color LED-Blue Cathode
9	IXS	H : I2C(Slave address : 0110000b), L : SPI
10	D0(SCL)	Serial clock input
11	D1(SI)	Serial data input
12	A0	Switch data or command
13	CSB	Chip Select(Active Low), When IXS=H,CSB must be Low
14	RSTB	Reset terminal
15	VDD	Power supply for analog and digital
16	IREF	Resistor terminal for reference current
17	VCC_C	High voltage power supply for driving circuits
18	VCC_R	Cathode voltage power supply for driving circuits
19	VSS	Ground

*.詳細資料請與公司業務聯繫 More details please contact with sales.

► DIMENSION & FRAME TYPE

PS013-N11AW



► SCHEMATIC

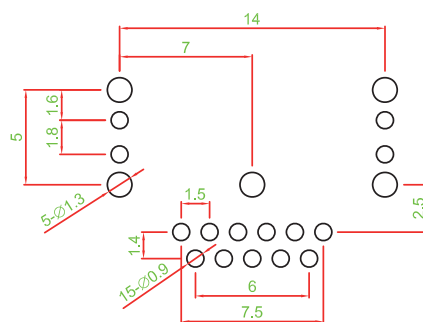
PIN1 ——— PIN2

PIN3 ——— PIN4

PIN5 ——— PIN7 (RED)
PIN5 ——— PIN6 (GREEN)
PIN5 ——— PIN8 (BLUE)

PIN9 ——— PIN14
PIN10 ——— PIN15
PIN11 ——— PIN16
PIN12 ——— PIN17
PIN13 ——— PIN18
OLED PANEL
PIN14 ——— PIN15
PIN16 ——— PIN17
PIN18 ——— PIN19

► P.C.B LAYOUT



► MATERIAL

- COVER : PC
- ACTUATOR : POM
- BASE FRAME : PA
- TERMINAL : BRASS GOLD PLATING