



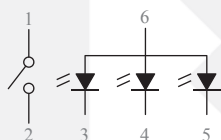
Illuminated Tactile Switches Series ZLS67 / ZLS70



General Specifications

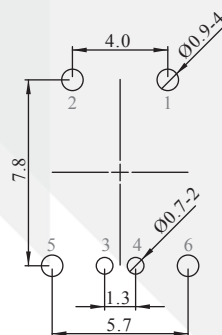
Circuit	:SPST
Current Rating	:50mA @ 12VDC
Contact Resistance	:100mOhm Max. (initial)
Insulation Resistance	:100MOhm Min.
Operating Force	:160gf ± 50gf
Total Travel	:0.2mm ± 0.1mm
Mechanical Life	:500,000 cycles Min.
Operating Temperature	: -25°C ~ +70°C
LED Color	: Red / Green / Blue
Materials	
Reflector	: Polyamide(PA)
Base	: Polyamide(PA)
Action Dome	: Stainless steel with silver plating
SW Terminal	: Brass silver plated over nickel under plating
LED Terminal	: Phosphor bronze silver plated over nickel under plating
Adapter	: Polyamide(PA)

■ Circuit Diagram & PCB layout

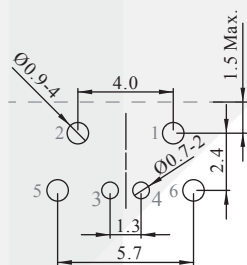


Pin	Function
1	SW COM.
2	SW N.O.
3	Green LED (-)
4	Red LED (-)
5	Blue LED (-)
6	LED (+)

Contact Configuration for ZLS67



P.C.B. Layout for ZLS□□VH (Vertical switch)

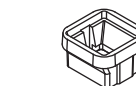


P.C.B. Layout for ZLS□□AK (Right angle switch)

■ How to Order for 6 Smart Cap & 9 Smart Cap



P/N: ZLS67VH-PBQ-R
(Package: 700pcs/Reel)



Adapter P/N: YCB010

6

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6 Smart cap P/N:

+ **SMART** CAP =
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or



P/N: ZLS67AK-PBQ-A
(Package: 150pcs/Tray)



Adapter P/N: YCB012

9

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9 Smart cap P/N:

■ How to Order for Standard Cap



P/N: ZLS67VH-PBR-A-R2TA0
Ice cap, without Marking
(Package: 105pcs/Tray)



P/N: ZLS67VH-PBR-A-R2KA9
Black cap, with Ring Marking
(Package: 105pcs/Tray)



P/N: ZLS67VH-PBR-A-R2SA1
Silver cap, with Power Marking
(Package: 105pcs/Tray)



P/N: ZLS67AK-PBR-A-R2TA0
Ice cap, without Marking
(Package: 150pcs/Tray)



P/N: ZLS67AK-PBR-A-R2KA9
Black cap, with Ring Marking
(Package: 150pcs/Tray)



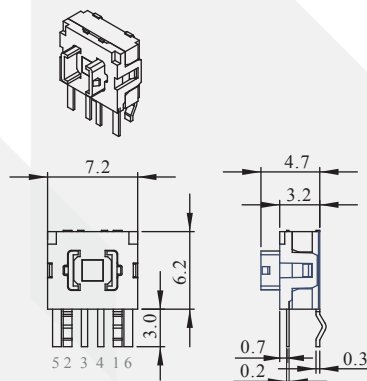
P/N: ZLS67AK-PBR-A-R2SA1
Silver cap, with Power Marking
(Package: 150pcs/Tray)



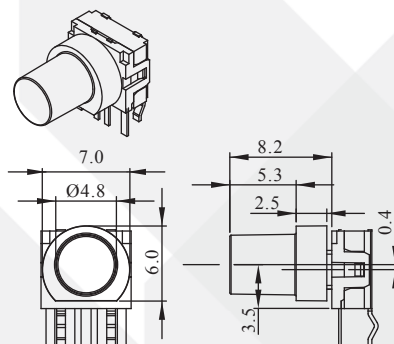
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Dimension of ZLS□□AK (Right angle switch)

/ ZLS67AK-PBQ-A

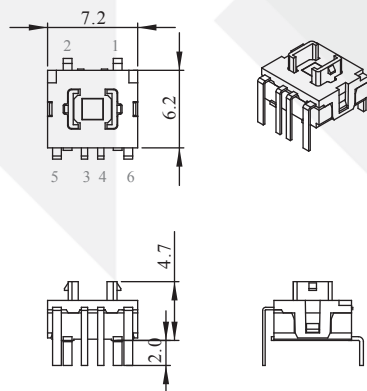


/ ZLS67AK-PBR-A-R2□□□

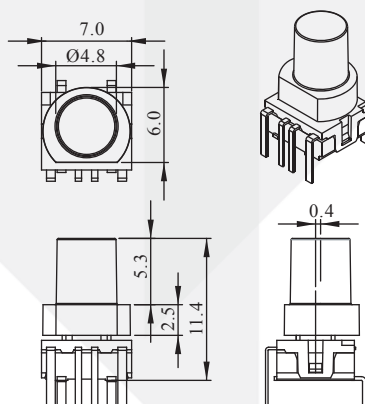


Dimension of ZLS□□VH (Vertical switch)

/ ZLS67VH-PBQ-R



/ ZLS67VH-PBR-A-R2□□□



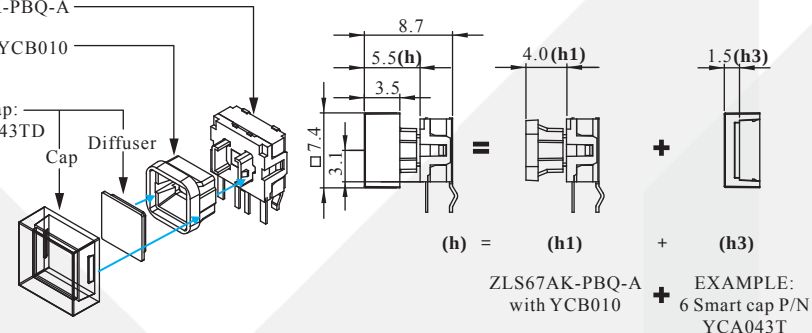
Dimension of ZLS□□AK with 6 SMART cap

Switch:

ZLS67AK-PBQ-A

Adapter : YCB010

6 Smart cap:
ex: YCA043TD



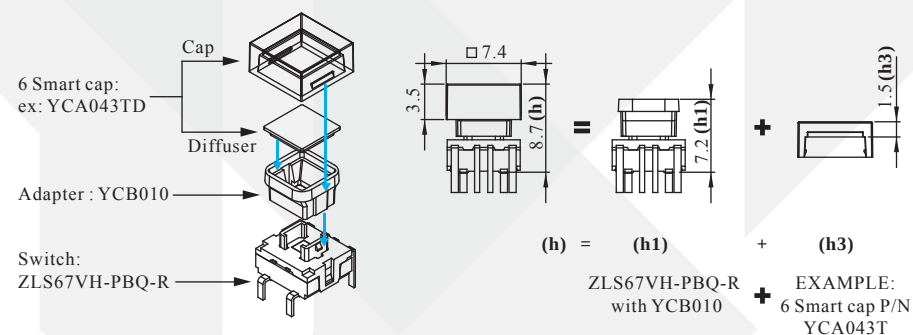
Dimension of ZLS□□VH with 6 SMART cap

6 Smart cap:
ex: YCA043TD

Adapter : YCB010

Switch:

ZLS67VH-PBQ-R





Illuminated Tactile Switches Series ZLS67 / ZLS70

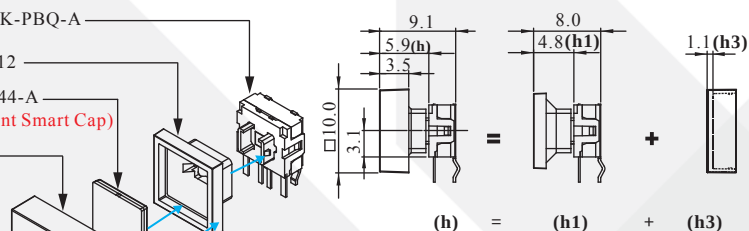
Dimension of ZLS□□AK with 9 SMART cap

Switch: ZLS67AK-PBQ-A

Adapter: YCB012

Diffuser: YDI0144-A
(For 9 Transparent Smart Cap)

9 Smart cap:
ex: YCA047T



ZLS67AK-PBQ-A + EXAMPLE:
with YCB012 9 Smart cap P/N
YCA0474

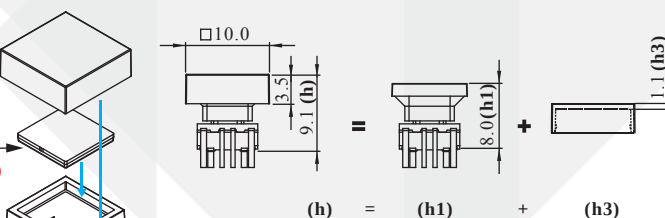
Dimension of ZLS□□VH with 9 SMART cap

9 Smart cap:
ex: YCA047T

Diffuser: YDI0144-A
(For 9 Transparent Smart Cap)

Adapter: YCB012

Switch: ZLS67VH-PBQ-R



ZLS67VH-PBQ-R + EXAMPLE:
with YCB012 9 Smart cap P/N
YCA0474

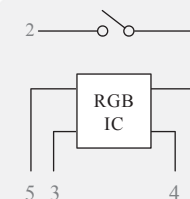
ZLS70



Pin	Function	Description
1	SW COM.	Switch Common
2	SW N.O.	Switch Normally Open
3	DOUT	DATA OUT
4	GND	GROUND
5	VDD	POWER VOLTAGE, 5V
6	DIN	DATA IN

Feature

- ZLS70 uses WS2812B 5V RGB led with programmable.
- RGB Led Can be connected in series to reduce wiring.



Contact Configuration

How to order ZLS70

EX:

RGB → P/N: ZLS67VH-PBQ-R

RGB with IC → P/N: ZLS70VH-ZBQ-R

Note

- ⚠ Pin3,6 suggest avoiding high frequency signal to avoid interference.
- ⚠ Wrong polarity may cause damage to the function.