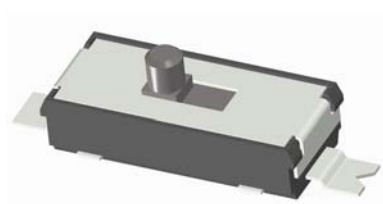


Insert Molding Mini Slide Switch - Vertical Knob

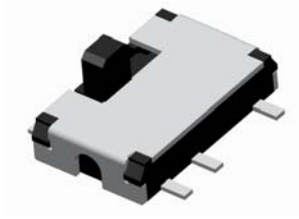
SSY-12D08



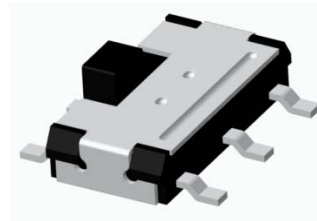
SSYD-12D17



SSYC-22C02



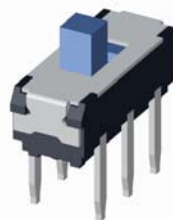
SSYC-22C03



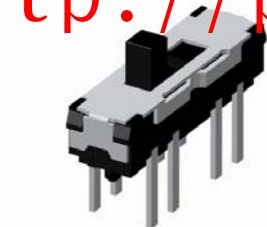
SSY-22D01



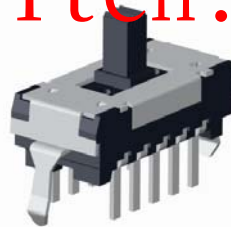
SSYB-22D01



SSY-23D01



SSYA-23D26



<http://pady-switch.com>

26-3-2008

Insert Molding Mini Slide Switch (Vertical Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SSY-12D08	1P2T	Non-shorting	2.0mm	-10 °C to 60 °C	Dip ; Manual

Electrical Performance

Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.1A 30V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

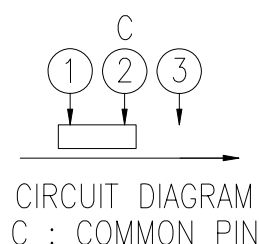
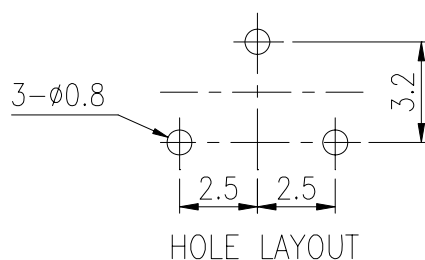
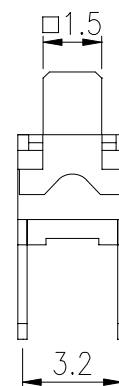
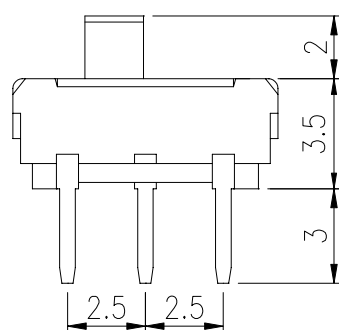
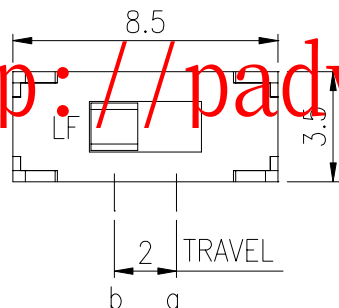
Mechanical & Solderability Performance

Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Dip soldering	Manual soldering
200gf ± 150 gf	0.3 kgf for 15 seconds	2.0 kgf for 15 seconds	230 ± 5 °C	260°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

Operating life without load	Operating life with load (load: as ratings)	Cold	Dry heat	Damp heat
15,000cycles , 150 mΩ max.	15,000cycles , 200 mΩ max.	-25 °C for 96 hrs	85°C for 96 hrs	40 °C , 90 to 95% RH for 96 hrs

<http://pady-switch.com>



Insert Molding Mini Slide Switch (Vertical Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SSYD-12D17	1P2T	Non-shorting	2mm	0 °C to 60 °C	Reflow

Electrical Performance

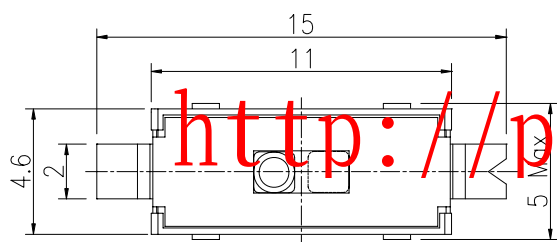
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
As shown below	50 m Ω max.	100 M Ω min. 100 V DC	250 V AC for 1 min.

Mechanical & Solderability Performance

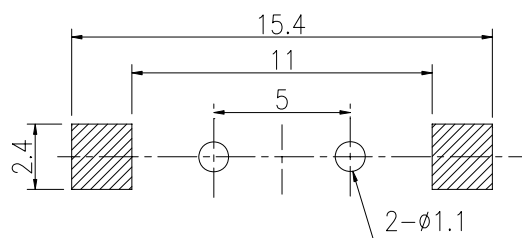
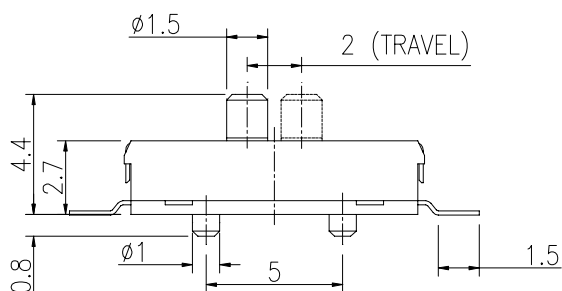
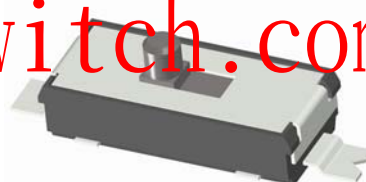
Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat
				Reflow soldering
3N Max.	5 N for 15 seconds	15 N for 15 seconds	265 $\pm$ 5 °C	280°C , 5 seconds

Endurance, Environmental Performance

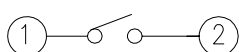
Operating life with load (load: as ratings)	Cold	Dry heat	Damp heat
3000cycles , 140 m Ω max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C, 90 to 95% RH for 96 hrs



Carrier taping available



PCB LAYOUT



SCHEMATIC

Rating:

Max rating: 1.2V DC 2.5A
 Max rating: 2.4V DC 1.3A
 Max rating: 15V DC 0.4A
 Max rating: 50V DC 0.4A

Insert Molding Mini Slide Switch (Vertical Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SSYC-22C02	2P2T	Non-specified	1.5mm	-10 °C to 60 °C	Reflow ; Manual

Electrical Performance

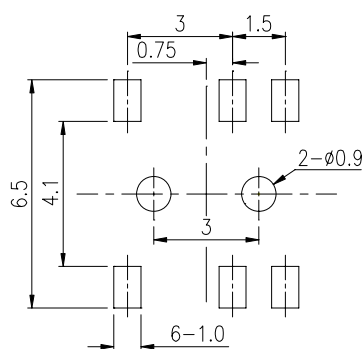
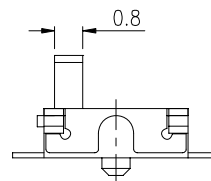
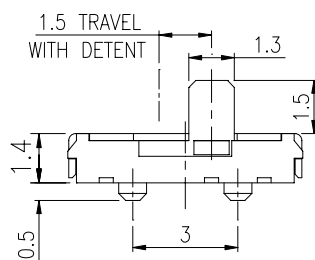
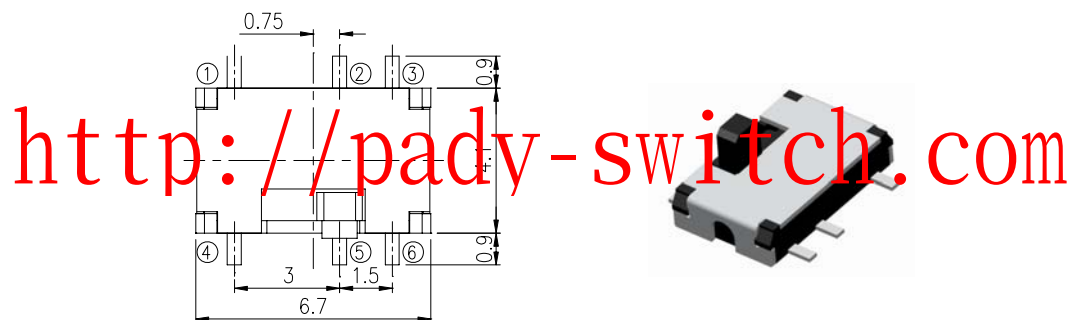
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.3A 4V DC	70 m Ω max.	100 M Ω min. 100 V DC	100 V AC for 1 min.

Mechanical & Solderability Performance

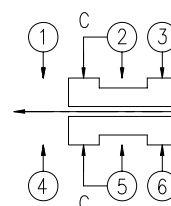
Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Reflow soldering	Manual soldering
200 gf $\pm$ 150 gf	0.3 kgf for 15 seconds	1.0 kgf for 15 seconds	230 $\pm$ 5 °C	240°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

Operating life without load	Cold	Dry heat	Damp heat
5,000cycles , 100 m Ω max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C , 90 to 95% RH for 96 hrs



HOLE LAYOUT



CIRCUIT DIAGRAM
C: COMMON PIN

Insert Molding Mini Slide Switch (Vertical Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SSYC-22C03	2P2T	Non-shorting	1.5mm	-10 °C to 60 °C	Reflow ; Manual

Electrical Performance

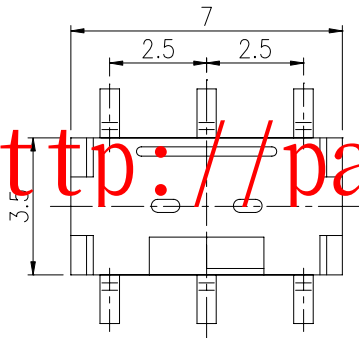
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.3A 4V DC	70 mΩ max.	100 MΩ min. 100 V DC	100 V AC for 1 min.

Mechanical & Solderability Performance

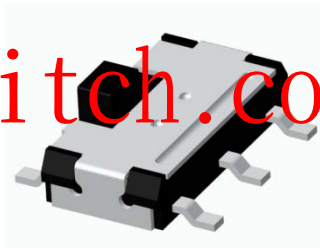
Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Reflow soldering	Manual soldering
150gf ± 50 gf	0.3 kgf for 1 min.	0.1 kgf , 1 min.	230 ± 5 °C	260°C , 5 seconds	300°C , 5 seconds

Endurance, Environmental Performance

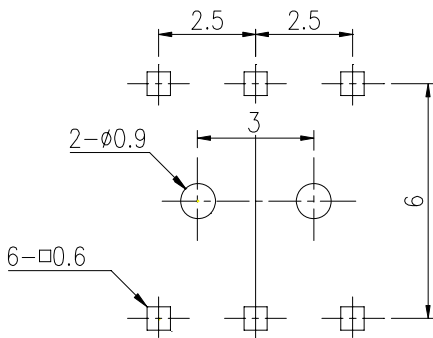
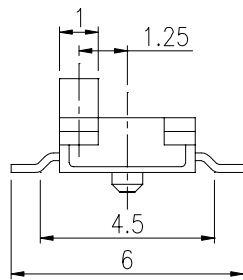
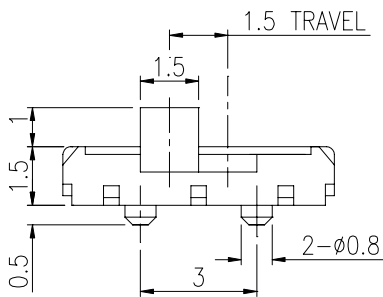
Operating life with load (load: as ratings)	Cold	Dry heat	Damp heat
10,000cycles , 140 mΩ max.	-20 °C for 96 hrs	85°C for 96 hrs	60 °C , 90 to 95% RH for 96 hrs



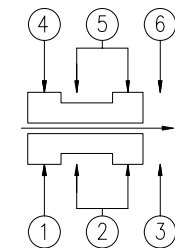
Carrier taping available



<http://pady-switch.com>



P. C BOARD MOUNTING FACE



CIRCUIT DIAGRAM
BOTTEM VIEW

Insert Molding Mini Slide Switch (Vertical Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SSY-22D01	2P2T	Non-shorting	2.0mm	-10 °C to 60 °C	Dip ; Manual
SSYB-22D01					

Electrical Performance

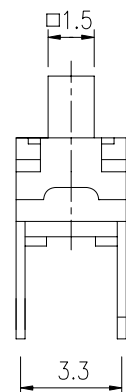
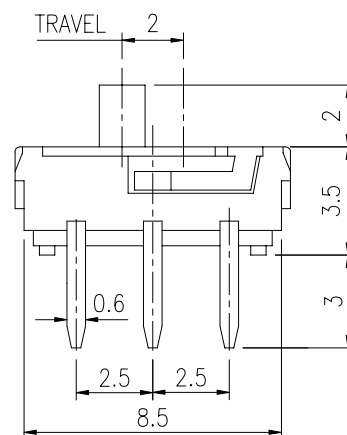
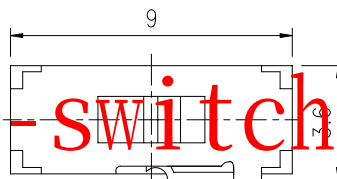
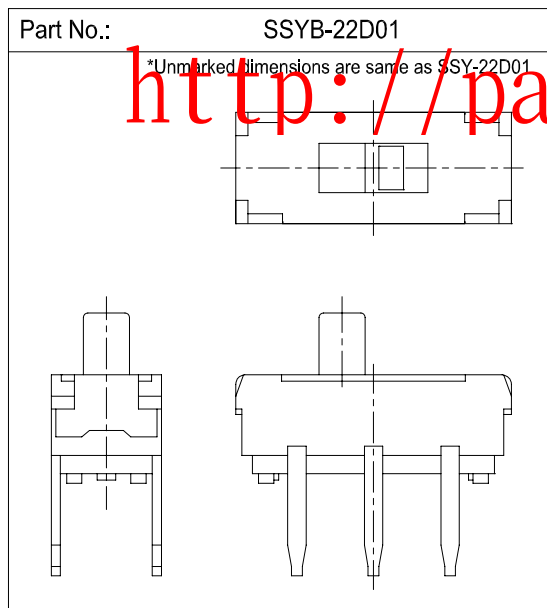
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.3A 6V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Dip soldering	Manual soldering
200 gf ± 100 gf	0.5 kgf for 15 seconds	1.5 kgf for 15 seconds	230 ± 5 °C	260°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

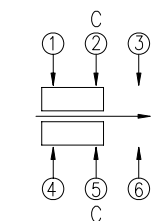
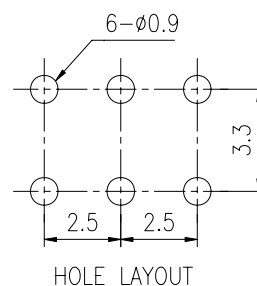
Operating life without load	Cold	Dry heat	Damp heat
5,000cycles , 150 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C , 90 to 95% RH for 96 hrs



Part No.: SSYB-22D01



SSY-22D01



Insert Molding Mini Slide Switch (Vertical Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SSY-13D01	1P3T	Non-shorting	2.0mm	-10 °C to 60 °C	Dip ; Reflow; Manual
SSY-23D01	2P3T				
SSY-23D22					

Electrical Performance

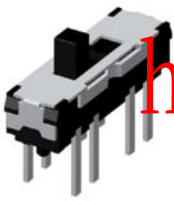
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.3A 6V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat		
				Dip soldering	Reflow soldering	Manual soldering
a-b c-b 200gf ± 100 gf b-a b-c 300gf ± 150gf	0.5 kgf, 15 seconds	1.5 kgf for 15 seconds	230 ± 5 °C	260°C , 5 seconds	245°C , 5 seconds	350°C , 3 seconds

Endurance, Environmental Performance

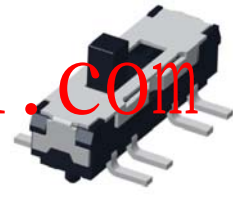
Operating life without load	Cold	Dry heat	Damp heat
5,000cycles , 150 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C, 90 to 95% RH for 96 hrs



Part No.: SSY-23D01



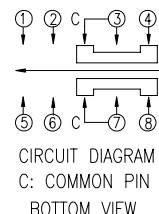
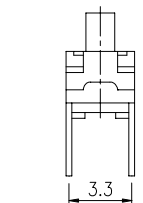
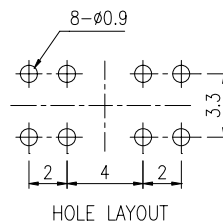
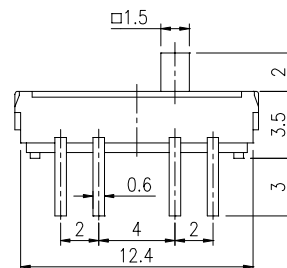
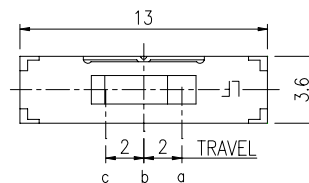
SSY-13D01



SSY-23D22BT

<http://pady-switch.com>

*Unmarked dimensions are same as SSY-23D01.	
Part No.: SSY-13D01	Part No.: SSY-23D22BT
HOLE LAYOUT CIRCUIT DIAGRAM C: COMMON PIN BOTTOM VIEW	SURFACE MOUNTING DIMENSION



Insert Molding Mini Slide Switch (Vertical Knob)

Characteristics

Series	Circuit	Timing	Travel	Operating temperature range	Soldering
SSVA-23D26	2P3T	Non-shorting	2.0mm	-10 °C to 60 °C	Dip ; Manual

Electrical Performance

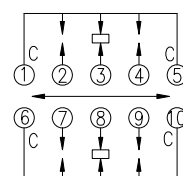
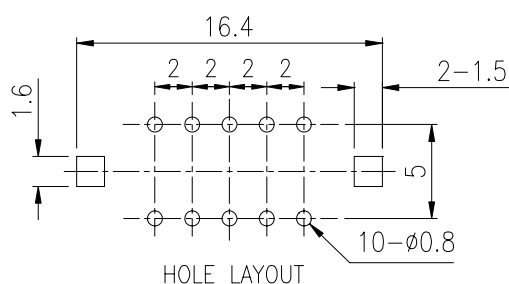
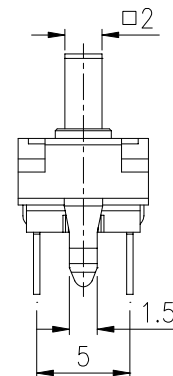
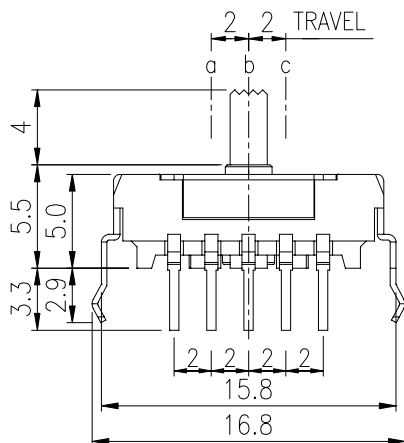
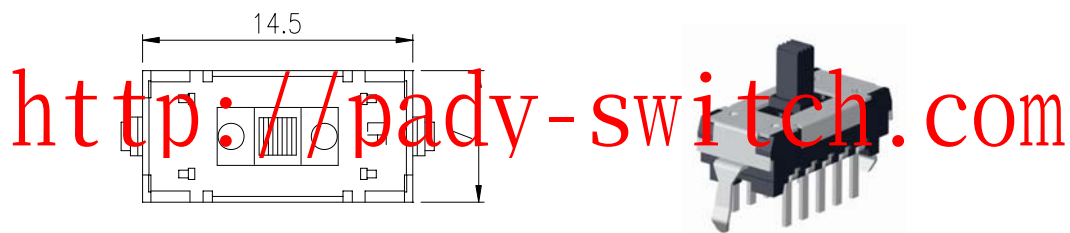
Rating (max.)	Contact resistance	Insulation resistance	Withstand voltage
0.1A 30V DC	70 mΩ max.	100 MΩ min. 500 V DC	500 V AC for 1 min.

Mechanical & Solderability Performance

Operating force	Terminal Strength	Actuator Strength	Solderability	Resistance to soldering heat	
				Dip soldering	Manual soldering
a-b c-b 200gf ± 150 gf b-a b-c 250gf ± 150gf	0.5 kgf for 15 seconds	5.0 kgf for 15 seconds	245 ± 3 °C	260°C , 5 seconds	380°C , 3 seconds

Endurance, Environmental Performance

Operating life without load	Cold	Dry heat	Damp heat
5,000cycles , 100 mΩ max.	-25 °C for 48 hrs	70°C for 48 hrs	40 °C , 90 to 95% RH for 96 hrs



CIRCUIT DIAGRAM
C : COMMON PIN
BOTTOM VIEW