Body Height 0.75mm, Compact-sized Double Action Type Tactile Switches TSW-24 Series

| Features

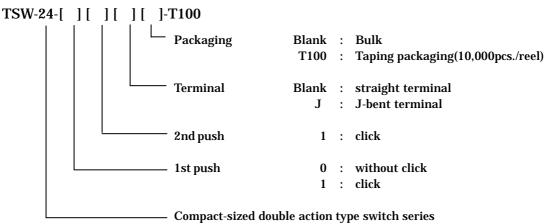
- <> With 3.8x3.8mm dimension and 0.6mm height, surface-mounting type switches are ideal for high-density mounting.
- <>Compact sized, low-profile type with decreasing surface-mounting area by 32%, height by 20% and volume by 54% as compared with the existing TSW-15 series.
- <>A double action type with 2 contacts in 1 circuit turning on the first push and the second step by pushing further.
- <>2types of switches, with 2 clicks (0.8N,) or without click feeling.
- All types with earth terminal for static discharge.
- <>A sharp click feeling of key touch is provided utilizing the tactile feedback characteristic.
- >J-bent terminal and straight terminal are standardized. Permits reflow soldering.
- Switches are packaged in 12mm wide embossed taping

Applications

- Digital still camera and digital video camera
- Portable audio devices, Car navigation system
- Cellular phone, Personal digital assistance



Product number



Item	Specifications			
Ratings (max.) (Resistive load)	50mA 12V DC			
Contact resistance	100 milliohm max. (Initial)			
Insulation resistance	100 megohm min. 500V DC			
Withstanding voltage	100V AC for 1min.			
Operating force	With 1st click feeling type ; 1st 0.8N , 2nd 2.0N Without 1st click feeling type ; 1st < 0.3N , 2nd 1.5N			
Operating life	50,000 cycles			
Operating temperature range	-20 to +70 degree Celsius			
Storage temperature range	-30 to +80 degree Celsius (except carrier tape)			

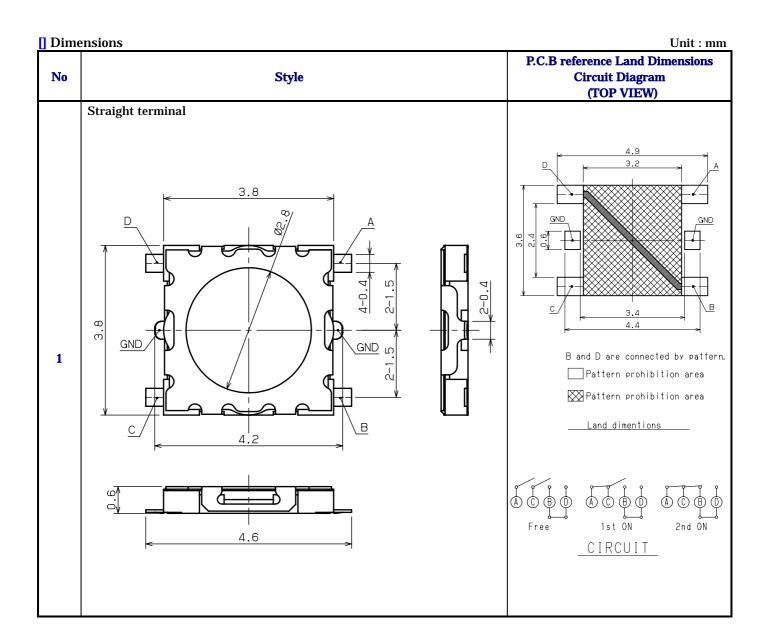
Products Line

With 1st click feeling type

No	Products No.	Operating Force(1st)	Operating Force(2nd)	Operating position (Distance from P.C. Board mounting face)	Terminal style
1	TSW-24-11-T100	0.8N	0.8N 2.0N	1st 0.45 mm	Straight
2	TSW-24-11J-T100		2.UIN	2nd 0.3 mm	J-bent

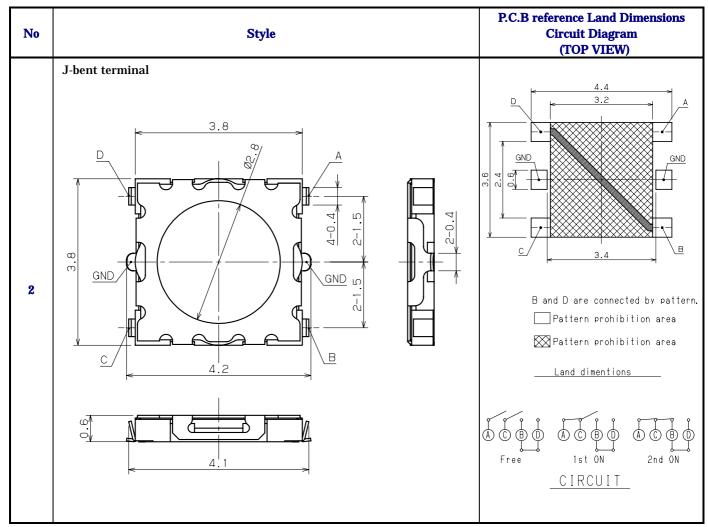
Without 1st click feeling type

No	Products No.	Operating Force(1st)	Operating Force(2nd)	Operating position (Distance from P.C. Board mounting face)	Terminal style
1	TSW-24-01-T100	< 0.3N	N 1.5N	1st 0.4mm	Straight
2	TSW-24-01J-T100		1.511	2nd 0.25mm	J-bent

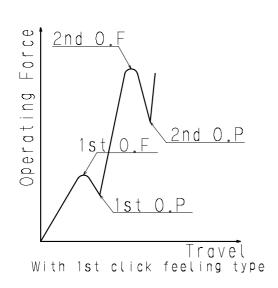


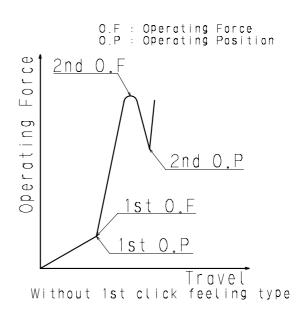
TSW-24 Series 3/4

Unit: mm



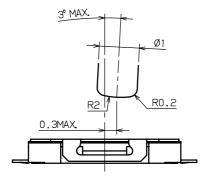
[] Feeling chart





TSW-24 Series

[] Recommended actuator style / Inclination of the actuator



Push part conditions

Operating area: Within 1mm from the center of the switch Allowable incline of operating: Less than 3 degree

Notes

- 1. The appearance and specifications of the product may be modified to improve its performance without prior notice.
- 2. This catalog shows only outline specifications. When using the product, please obtain formal specifications.
- 3. Please see appendix [Cautions in Using Switches].
- 4. 10,000pcs/one reel is the minimum packing unit. It is requested that the quantity of order shall be an integer multiple of the minimum packing unit.
- 5. Please set the reflow soldering condition confirming under the actual conditions of mass-production.
- 6. Characteristics of switch may change due to the warping of the circuit writing board. Consideration shall be given to the pattern design and layout.
- 7. This push switch is not washable.
- 8. This push switch permits reflow soldering and the switch has the possibility to be mounted on the edge of the PC board. But auto-dip shall not be done after the mounting of the switch because of the big possibility of the penetration of the soldering flux into the contacts sliding portion.
- 9. Larger stress than specified and/ or shock shall not be applied during switch operation.
- 10. Do not press the portion of the film by the sharp edged object.
- 11. In manual soldering, consider that the abnormal pressure of the soldering iron shall not be applied to the tip of the terminal as well do not apply any pressure for more than 1 minute after soldering.
- 12. Care shall be taken so that the flux shall not penetrate into the terminal portion.
- 13. The operating characteristic may change if force is exerted to the top the cover.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Tactile Switches category:

Click to view products by Shinmei manufacturer:

Other Similar products are found below:

5GTH92001 5GTH9202242 1-1977120-4 ADTSA62NV ADTSA62RV B3F-3123 1977177-8 1977266-1 ADTSA63NV ADTSM21NSVTR
ADTSM25RVTR ADTSM32NVTR ADTSMW64RV FSMRA4JHA04 GS4.70F300QP 3ESH9R KSC241J SP DELTA LFS 3FTL600RAS
3FTL640RAS Y96K132V0FPLFS 5GSH92001 5GTH9658222 ADTSM31NVTR 2-1977120-7 TSJW-5.2-260-TR KMT011MNGJLHS
ADTSG648NV ADTSM62KSVTR ADTSM648NV 95C06E3RAT 3ATH9Q FSM4JSMLXTR FSM4JSMXL FSMRA8JHA04 HARS0073
Y97HS12A5RAFP Y97BT23B2HAFP Y33R411N9FPLFT Y31C01402FPLFS PTS645SK50SMTR92 ADTSM32NVB KMS233GPWTLFG
Y78B42324FP Y33R21116FPLFT Y31B43131FPLFG Y78B64124FP Y71243251FP Y33R31119FPLFT Y97HS12A5TAFP
PTS638SK25SMTR2LFS