

SLIDE SWITCH

ETD Series

TRI-STATE TYPE



ETD

FEATURES

- With three states (1, open, 0) setting function, especially suitable for encoding/decoding of tri-state encoder/decoder integrated circuit to obtain more security codes than traditional two-state (1,0) operation. For instance, 9 bits with tri-state gets 19,683 (3^9) codes, while two-state has 512 (2^9) codes, gain 38 times more codes with a PACER tri-state DIP switch
- Bottom sealed to ensure free of flux immersion during reflow/wave soldering
- All plastics are UL 94V-0 grade fire retardant
- Gold plated contact to ensure low contact resistance and Tin plated terminals to prevent contamination during soldering
- Twin contacts designed to ensure stable contact
- Ideal for coding tele-communication, transceiving, remote control and burglar alarm systems which use intergrated circuits with tri-state coding systems
- RoHS Compliant

APPLICATIONS

- Numerical setting for computer terminal equipment
- Price setting for vending machines
- Programming for game machines
- Programming for industrial equipment and measuring instruments

SPECIFICATIONS

1. ELECTRICAL

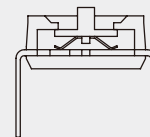
Contact rating	
switching	25 mA, 24 VDC
non-switching	100 mA
Contact resistance	
initial	50 mΩ Max.
after life test	100 mΩ Max.
Insulation resistance	1,000 MΩ Min. at 100 VDC
Dielectric strength	500 VDC Min. for 1 minute
Capacitance between adjacent switches	5 pF Max

2. MECHANICAL and ENVIRONMENTAL

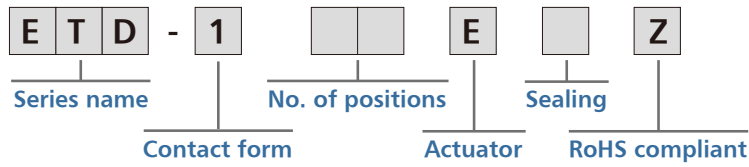
Temperature rating	
operating	-40°C to +85°C
storage	-40°C to +85°C
Operation force	800g Max.
Mechanical life	2,000 operations
Humidity	95%RH, 40°C for 96 Hrs.
Vibration	10Hz - 55Hz - 10Hz for 6 Hrs.
Solderability	After flux 245±5 °C for 5 ± 1 second
(for through hole type)	
Resistance to soldering heat	
Solder bath	260±5°C for 5±1 seconds
Solder reflow	Peak temperature 260°C Max

CONSTRUCTION

ETD



PART NUMBERING SYSTEM



Series name	Contact form	No. of positions								
E T D Bottom Epoxy Sealed Type	1 SPST	<table border="1"> <tr><td>0 4</td><td>0 8</td></tr> <tr><td>0 5</td><td>0 9</td></tr> <tr><td>0 6</td><td>1 0</td></tr> <tr><td>0 7</td><td></td></tr> </table>	0 4	0 8	0 5	0 9	0 6	1 0	0 7	
0 4	0 8									
0 5	0 9									
0 6	1 0									
0 7										
Actuator	Sealing									
E Extended Actuator	<table border="1"> <tr><td>□ Non-Top Tape Sealed</td></tr> <tr><td>T Top Tape Sealed</td></tr> </table>	□ Non-Top Tape Sealed	T Top Tape Sealed							
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T Top Tape Sealed										

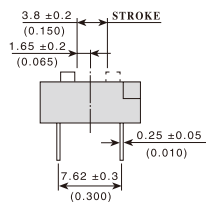
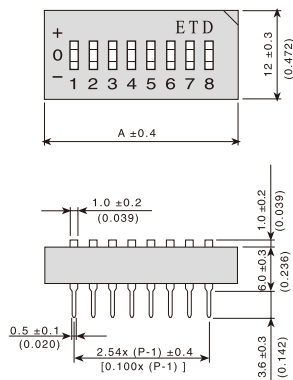
DIMENSIONS AND CIRCUITRY

Unit : mm(inch)

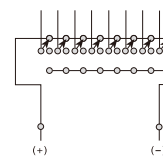


DIMENSION A

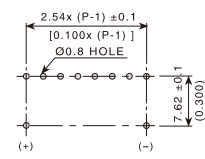
POSITIONS	4	5	6	7	8	9	10
A	15.30 (0.602)	17.84 (0.702)	20.38 (0.802)	22.92 (0.902)	25.46 (1.002)	28.00 (1.102)	30.54 (1.202)



CIRCUIT DIAGRAM



P.C.B LAYOUT (TOP VIEW)



OPTIONS

- Tape sealed.
ETD-1□□EZ

