

SWITCH DIP SWITCH

DHP Series

HALF PITCH PIANO TYPE SMT DIP SWITCH



DHP

FEATURES

- Standard 0.05" integrated circuit pitch
- Smaller size makes better heat convection during PC board Reflow soldering
- Edge actuated type (Piano type) is easy setting on closely racked PCB
- Tactile response is performed directly by larger contact pressure to ensure stable contact
- All UL 94V-0 fire retardant plastics used
- Contact wiping on make and break
- Gold plated contact to ensure low contact resistance and long mechanical life
- 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

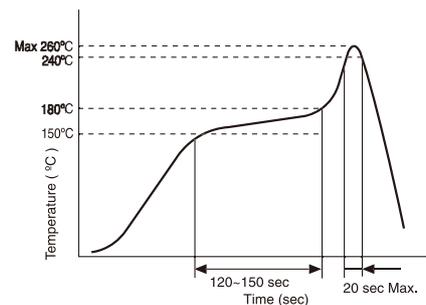
SPECIFICATIONS

1. ELECTRICAL

Contact rating	
switching	25 mA, 24 VDC
non-switching	100 mA
Contact resistance (Initial)	100 mΩ Max.
after life test	200 mΩ Max.
Insulation resistance	100 MΩ Min at 100 VDC
Dielectric strength	300 VAC Min. for 60 seconds
Capacitance between adjacent switches	5pF 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	1,000 operations
Humidity	95% RH, 40°C for 96 Hrs.
Vibration	10 to 55Hz for 6 Hrs.
Reflow soldering heat for SMT type (reference only)	240°C , 20 seconds or less, peak temperature 260°C or less



WARNING : Please keep contacts in OFF position during reflow soldering

PART NUMBERING SYSTEM

D H P	-	□ □ □ □ □ □	□ □ □ □ □ □	□ □ □ □ □ □	□ □ □ □ □ □
Series name		No. of positions	Actuator	Terminal	Package
Contact form		On position			

Series name	Contact form	No. of positions	On position						
D H P Half pitch piano type SMT DIP switch	1 SPST	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>0 2</td><td>0 8</td></tr> <tr><td>0 4</td><td>1 0</td></tr> <tr><td>0 6</td><td></td></tr> </table>	0 2	0 8	0 4	1 0	0 6		U Top side "OFF"
0 2	0 8								
0 4	1 0								
0 6									

Actuator	Terminal	Packaging				
E Extended actuator	M Surface mounting type	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>□</td><td>Tube package</td></tr> <tr><td>□</td><td>Tape & Reel Package</td></tr> </table>	□	Tube package	□	Tape & Reel Package
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DIMENSIONS AND CIRCUITRY

Unit : mm(inch)

DIMENSION A

POSITIONS	2	4	6	8	10
A	3.68 (0.145)	6.22 (0.245)	8.76 (0.345)	11.30 (0.445)	13.84 (0.543)

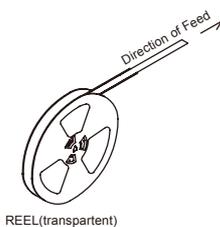
CIRCUIT DIAGRAM

ACTUATOR TOP SIDE "OFF"

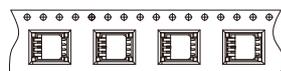
P.C.B LAYOUT (TOP VIEW)

PACKAGING

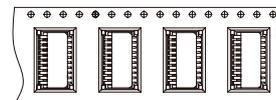
- Tape & Reel Packaging (Per EIA STANDARD)



For 2~6P Direction of feed →



For 8~10P Direction of feed →



POLE	No. of pcs per reel
2P	900
4P	900
6P	900
8P	900
10P	900