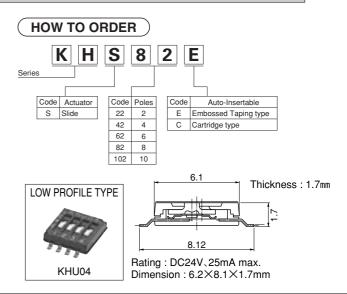


HALF PITCH DIP SWITCHES

FEATURES

- These super-miniature (a terminal pitch of 0.05 inch) multi-contact switchs are designed for use inside a very space saving and high technical electronic equipment.
- Reliability maintained with a size reduction of 41.9% (compared with our 8 poles standard DIP switches).
- The plastic case is designed for better heat resistance.
- Gold-plated electrical contacts are the standard specification.
- SMT units are compatible with an automatic assembling equipment, reflow (tape sealing) mounting and washable. (Compatible with automatic handling methods; such as a tape and cartridge).

300mil SOP Standard

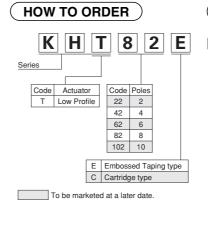




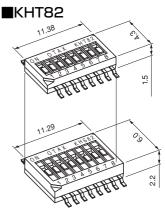
ULTRA LOW PROFILE HALF-PITCH SLIDE TYPE SMT DIP SWITCHES ROHS Compliance Product

FEATURES

- Ultra-miniaturization by reducing internal structure:
- (1.27mm pitch and 1.45mm height).Further high density mounting (space saving: approx. 1/2 of our standard
- KHS82 type).Higher heat-resistance by making use of engineering plastic.
- Reliable contact stability by twin goldplated contact available as standard specifications.
- Auto-mountable, reflow and washable Both tube-packaging and tape & reel packaging are avaiable.



COMPARISON WITH CONVENTIONAL TYPE



KHS82

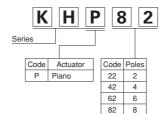


ULTRA MINIATURE HALF-PITCH PIANO TYPE SMT DIP SWITCHES [RoHS Compliance Product]

FEATURES

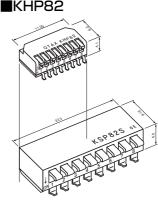
- Ultra-miniaturization by reducing internal structure: (1.27mm terminal pitch).
- Further high density mounting (space saving: approx. 1/4 of our standard KSP82 type).
- Higher heat-resistance by making use of engineering plastic.
- Reliable contact stability by twin goldplated contact available as standard specifications.
- Auto-mountable, reflow and washable Both tube-packaging and tape & reel packaging are avaiable.

HOW TO ORDER



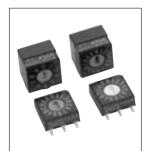
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(COMPARISON WITH CONVENTIONAL TYPE



KSP82S



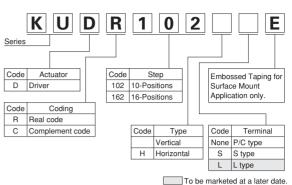


LOW PROFILE ROTARY DIP SWITCHES

FEATURES

- Low profile of 7mm square and 3mm high provides to increase a capacity of surface mounting P.C.B.
- Beryllium copper of spring using and high grade stainless steel are used, and gained a fine click touch of stepping.
- Terminal pitch is 0.1 inch as same as series K.
- By employing an engineering plastic, heat resisting is much improved.
- Horizontal(H) type is newly available(7mm square and 6mm high).
- SMT units are compatible with an automatic assembling equipment, reflow mounting and washable. (Compatible with automatic handling methods; such as a tape and cartridge).

HOW TO ORDER

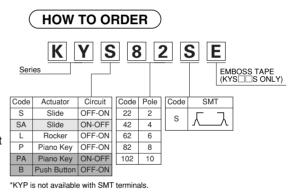


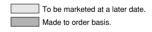
SERIES

"END TO END STACKABLE" LOW PROFILE DIP SWITCHES

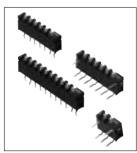
FEATURES

- KY Series DIP SWITCHES are mountable on P/C boards in a standard 0.1 inch pitch and allowes them to be ganged end-to-end KYS type only.
- By employing an engineering plastic, the KY Series has an excellent heat and chemical resistance.
- KYS type is a very low profile switch and is not more than 2.6mm high above a P/C board (minus 1.6mm high compared with our previous models).
- Standard GOLD plated contact points for reliability and long service life.
- Compatible for automatic cleaning. High pressure wiping contacts allows aqueous or solvent cleaning.







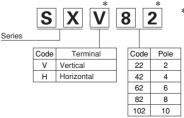


AUTO-CLEANING TYPE SIP SWITCHES

FEATURES

- High-density design is achieved by employing SIP configuration.
- The most stable and reliable contact because of an extremely high pressure contact mechanism(200kg/mm³).
- Washable without tape sealing SIP switches on the P/C board.
- Gas tight contacts(280,000 psi)

HOW TO ORDER



*Not indicated on the switch body.

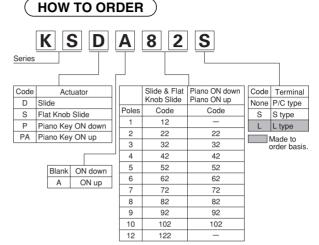




DUAL IN-LINE PACKAGE SWITCHES

FEATURES

- The heat resistance was greatly improved by employing ceramic substrates.
- The exclusive knife-edge contact method always ensures stable contact regardless of solder flux or any other environmental hazards.
- Contact pressure is as big as 200kg/mm² and immune to accidental operation by shock or vibration.
- Identical to ICs in terminal dimensions and configurations, making switches automatically mountable onto PC boards by the use of parts insertion machine for assembly work efficiency.
- High pressure "knife-edge" contact is capable enough to break possibly formed film by oxidization or sulfurization, ensuring long life expectancy.
- The cleaning solution can be used for a longer and is not necessary to change as often as for the conventional ones.

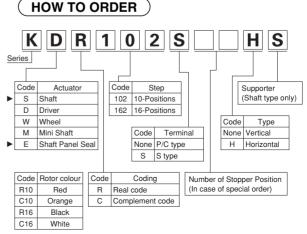




ROTARY DIGITAL CODED DIP SWITCHES

FEATURES

- Exclusive knife-edge high contact pressure(100kg/mm) ensures stable contact, giving immunity to accidental operation by shock or vibration.
 - High pressure 'edge' or 'point' contact is capable enough to break possibly formed film by oxidization or sulfurization, ensuring long life expectancy of 20,000 cycles or more.
 - Moulded-in terminals and fully sealed construction offer flux-free flow-soldering and automatic cleaning capabilities.
 - Low profile and ruggedly constructed.
 - 2.54mm terminal spacing allows direct PCB mounting and also fits into standard IC sockets.
 - Miniaturized size allows high density mounting.



Special length shaft and D-cut shaft are available on a custom basis.





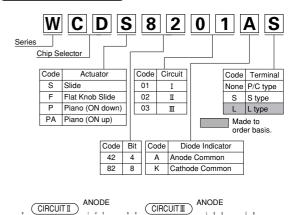


DIP-DIODE SWITCHES (HYBRID)

FEATURES

- Tremendous production cost saving because of diode network incorporated inside the housing, which greatly contributes to VA/VE.
- Tremendous time and cost saving in component part procurement and inventory control.
- Space saving because of the same size as IC.
- Auto-insertion, Auto-soldering and Autocleaning.
- Environmentally sealed.
- Most stable and reliable contact because of extremely high contact pressure mechanism(200kg/mm³).









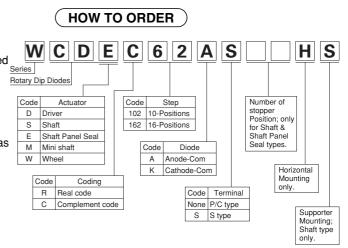
ROTARY DIP-DIODE SWITCHES (HYBRID)

ANODE

CIRCUIT I

FEATURES

- Tremendous production cost saving because of the diode network incorporated inside the housing, which greatly contributes to VA/VE.
- Tremendous time and cost saving in component part procurement and inventory control.
- Space saving because of the same size as standard Rotary Dip Switches w/o diode.
- Auto-soldering and Auto-cleaning.
 - Environmentally sealed.
 - Most stable and reliable contact because of extremely high contact pressure mechanism(100kg/mm³).





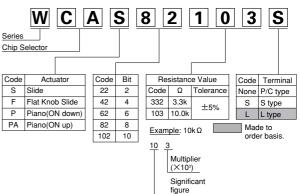


DIP-RESISTOR SWITCHES (HYBRID)

FEATURES

- Tremendous production cost saving because of resistor network incorporated inside the housing, which greatly contributes to VA/VE.
- Tremendous time and cost saving in component part procurement and inventory control.
- Space saving because of the same size as IC.
- Auto-insertion, Auto-soldering and Autocleaning.
- Environmentally sealed.
- Most stable and reliable contact because of extremely high contact pressure mechanism(200kg/mm).

(HOW TO ORDER)

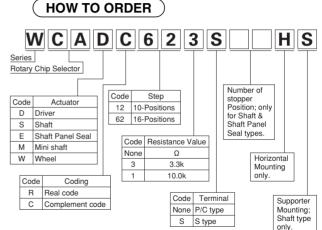




ROTARY DIP-RESISTOR SWITCHES (HYBRID)

FEATURES

- Tremendous production cost saving because of resistor network incorporated inside the housing, which greatly contributes to VA/VE.
- Tremendous time and cost saving in component part procurement and inventory control.
- Space saving because of the same size as standard Rotary-Dip-Switches w/o resistor.
- Environmentally sealed.
- Most stable and reliable contact because of extremely high contact pressure mechanism(100kg/mm).





DIGITAL ATTENUATOR DIP SWITCHES (HYBRID)

FEATURES

- Tremendous production cost saving because of resistor network incorporated inside the housing, which greatly contributes to VA/VE.
- Tremendous time and cost saving in component part procurement and inventory control.
- Space saving because of the same size as IC.
- Auto-insertion, Auto-soldering and Autocleaning.
- Environmentally sealed.
- Most stable and reliable contact because of extremely high contact pressure mechanism(200kg/mm).

HOW TO ORDER S 5 7 5 C W Α Т Series Attenuator dB/step Circuit of Resistor Code Actuator B 0.5dB Slide S Network Туре С 1.0dB Code Bit Т ☆In case of Code B: 4 Bit type is available only 16 Step 4 5 32 Step 50 Ω and 600 Ω. 5 Bit type is available only 75 Ω and 600 Ω . Impedance Ohm Case Colo Red 50 75 Orange 150 Green Blue 300 600 Black



SPLASHPROOF ROTARY DIP DIGITAL CODE SWITCHES

FEATURES

- Series KR Splashproof rotary switches are the smallest panel mounted code switches available.
- Rigid and stable with a Zinc die-casting body.
- Gold plated contacts with a high pressure knife edge contact provide excellent reliability.
- Life expancy, 100,000 steps minimum.
- Completely sealed with inserted-in terminals.

