

## 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


## HOW TO ORDER



Rating: DC24V, 25mA max. Dimension : $6.2 \times 8.1 \times 1.7 \mathrm{~mm}$

## NEW PRODUCTS



- Ultra-miniaturization by reducing internal structure:
( 1.27 mm pitch and 1.45 mm 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 avaialble.


## FEATURES

NEW PRODUCTS
 SERIES


## ULTRA LOW PROFILE HALF-PITCH SLIDE TYPE SMT DIP SWITCHES RoHS ComplianceProduct



## ULTRA MINIATURE HALF-PITCH PIANO TYPE SMT DIP SWITCHES RoHS ComplianceProduct

## FEATURES

- Ultra-miniaturization by reducing internal structure:
( 1.27 mm 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 avaialble.




## LOW PROFILE ROTARY DIP SWITCHES

## FEATURES

- Low profile of 7 mm square and 3 mm 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( 7 mm square and 6 mm 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




## "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 2.6 mm high above a $\mathrm{P} / \mathrm{C}$ board (minus 1.6 mm 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.


## HOW TO ORDER


*KYP is not available with SMT terminals.

## 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 $\left(200 \mathrm{~kg} / \mathrm{mm}^{2}\right)$.
- Washable without tape sealing SIP switches on the P/C board.
- Gas tight contacts(280,000 psi)


## HOW TO ORDER




## DUAL IN-LINE PACKAGE SWITCHES

## FEATURES

- The heat resistance was greatly improved by employing ceramic substrates.
- The exclusive knife-edge contact method always enssures stable contact regardless of solder flux or any other environmental hazards.
- Contact pressure is as big as $200 \mathrm{~kg} / \mathrm{mm}^{2}$ 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.

HOW TO ORDER



## ROTARY DIGITAL CODED DIP SWITCHES

## FEATURES

- Exclusive knife-edge high contact pressure( $100 \mathrm{~kg} / \mathrm{mm}^{2}$ ) 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.
$\bullet 2.54 \mathrm{~mm}$ terminal spacing allows direct PCB mounting and also fits into standard IC sockets.
- Miniaturized size allows high density mounting.


## HOW TO ORDER



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


## 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( $200 \mathrm{~kg} / \mathrm{mm}^{2}$ ).


## HOW TO ORDER

| Code | Bit |
| :---: | :---: |
| 42 | 4 |
| 82 | 8 |
|  | Code |
|  | Diode Indicator |
| K | Anode Common |

CIRCUIT I


## ROTARY DIP-DIODE SWITCHES (HYBRID)

## 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( $100 \mathrm{~kg} / \mathrm{mm}^{2}$ ).


## HOW TO ORDER



## w



## 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( $200 \mathrm{~kg} / \mathrm{mm}^{2}$ ).


## HOW TO ORDER


$10 \frac{3}{1}$
Multiplier
$\left(\times 10^{3}\right)$
Significant figure

## W SERIES



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( $100 \mathrm{~kg} / \mathrm{mm}^{2}$ ).


## HOW TO ORDER



## m SERIES



## 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 $\left(200 \mathrm{~kg} / \mathrm{mm}^{2}\right)$.


## HOW TO ORDER



## 目 SERIES



## 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.


## HOW TO ORDER



