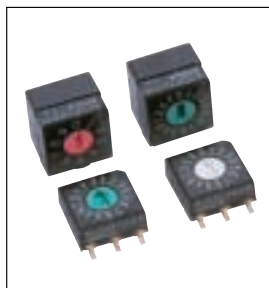


KU SERIES



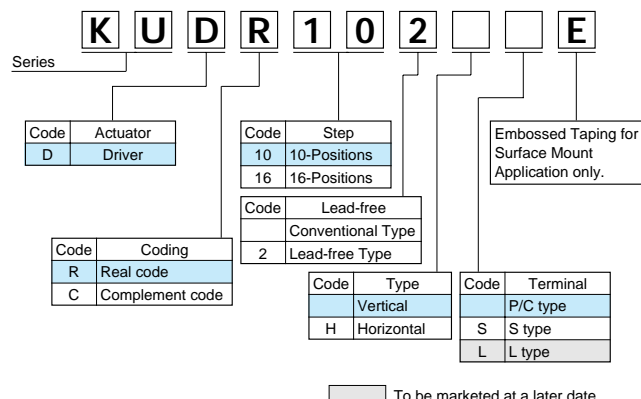
LOW PROFILE ROTARY DIP SWITCHES

Lead-free Type

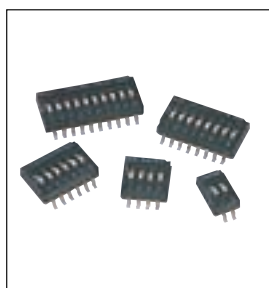
FEATURES

- 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 stick).

HOW TO ORDER



KH SERIES



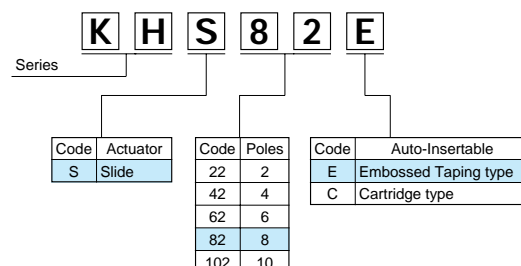
HALF PITCH DIP SWITCHES

FEATURES

- These super-miniature (a terminal pitch of 0.05 inch) multi-contact switches 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 stick).

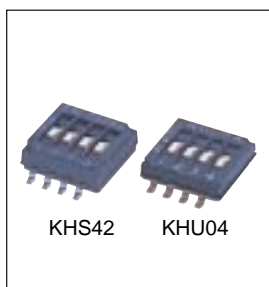
300mil SOP Standard

HOW TO ORDER



* The 4 pole version only is also available with the **1.7mm height** as KHU04 super low profile dip switch.

KHU 04



SUPER LOW PROFILE DIP SWITCH

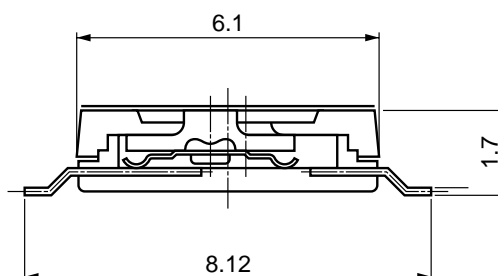
Lead-free Type

FEATURES

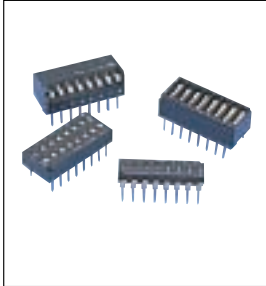
- These super-miniature (a terminal pitch of 0.05 inch) multi-contact switches are designed for use inside a very space saving and high technical electronic equipment.
- Reliability maintained with a size reduction of 41.9% (compared with our 8 poles standard DIP switches).
- The plastic case is designed 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 stick).

300mil SOP Standard

DIMENSION



KY SERIES

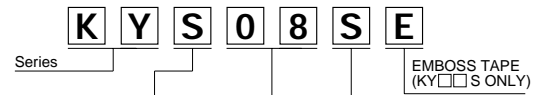


"END TO END STACKABLE" LOW PROFILE DIP SWITCHES

FEATURES

- KY Series DIP SWITCHES are mountable on P/C boards in a standard 0.1 inch pitch and allows 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.

HOW TO ORDER

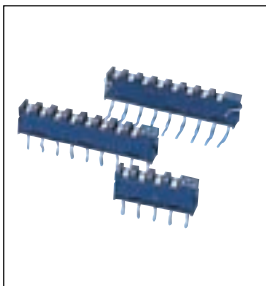


Code	Actuator	Circuit	Code	Pole	Code	SMT
S	Slide	OFF-ON	02	2	S	
SA	Slide	ON-OFF	04	4		
L	Rocker	OFF-ON	06	6		
P	Piano Key	OFF-ON	08	8		
PA	Piano Key	ON-OFF	10	10		
B	Push Button	OFF-ON				

*KYP is not available with SMT terminals.

■ Made to order basis.
□ To be marketed at a later date.

S SERIES

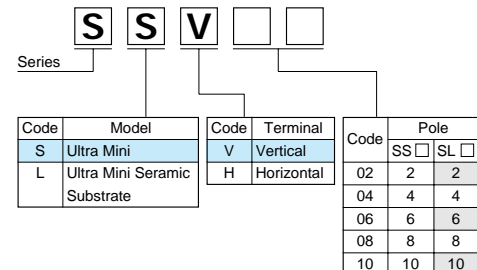


AUTO-CLEANING TYPE SIP SWITCHES

FEATURES

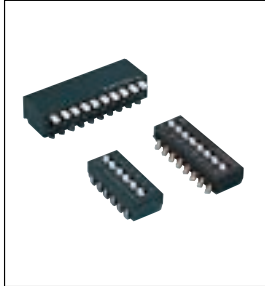
- High-density design is achieved by employing SIP configuration.
- Stability at high soldering temperatures is increased by the incorporation of a ceramic substrate(excluding the SSV & the SSH).
- The most stable and reliable contact because of an extremely high pressure contact mechanism(200kg/mm²).
- Washable without tape sealing SIP switches on the P/C board.
- Gas tight contacts(280,000 psi)

HOW TO ORDER



□ To be marketed at a later date.

W&K SERIES



SMT TYPE (K SERIES)

Lead-free Type

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.

HOW TO ORDER

K

S

D

8

2

S

Code	SMT Shape
S	S type
L	L type

K

D

R

1

0

2

S

Code	SMT Shape
S	S type

SMT TYPE (W SERIES)

FEATURES

- Knife-edge high pressure contact mechanism of 200kg/mm² (100kg/mm²) for rotary ensures stable contact.
- Pin-point contact breaks possibly formed by oxidation or sulfurization and ensures long life expectancy.
- Molded-in terminals prevent flux from flowing into the switch during soldering process.
- Environmentally sealed type provides washable feature and does not require any tape seal.

HOW TO ORDER

W	C	A	S	8	1	0	3	S	
								Code	SMT Shape
								S	S type
								L	L type

W	C	A	D	C	6	3	S	
							Code	SMT Shape
							S	S type

W	C	D	S	8	0	1	A	S	
								Code	SMT Shape
								S	S type
								L	L type

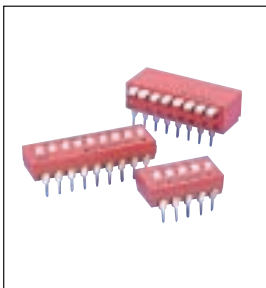
W	C	D	D	C	6	A	S	
							Code	SMT Shape
							S	S type

Made to order basis.

Made to order basis.

*Manual soldering is required for diode type hybrid dip switches.

W SERIES



DIP-DIODE SWITCHES (HYBRID)

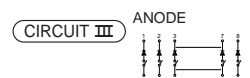
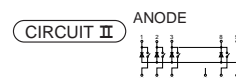
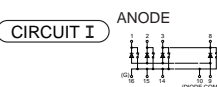
FEATURES

- 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 Auto-cleaning.
- Environmentally sealed.
- Most stable and reliable contact because of extremely high contact pressure mechanism (200kg/mm²).

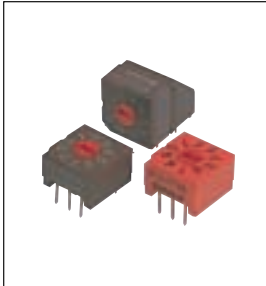
HOW TO ORDER

W	C	D	S	8	0	1	A
Series		Chip Selector					
Code		Actuator		Code		Bit	
S		Slide		4		4	
F		Flat Knob Slide		8		8	
P		Piano (ON down)		01		I	
PA		Piano (ON up)		02		II	
				03		III	

Code		Diode Indicator	
A		Anode Common (Brown Case)	
K		Cathode Common (Orange Case)	



W SERIES

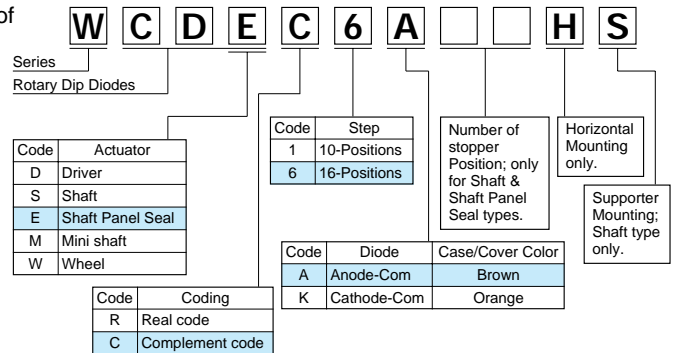


ROTARY DIP-DIODE SWITCHES (HYBRID)

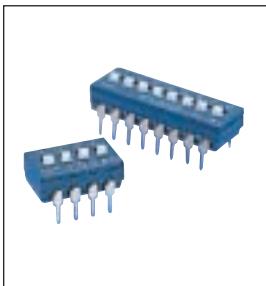
FEATURES

- 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(100kg/mm²).

HOW TO ORDER



W SERIES

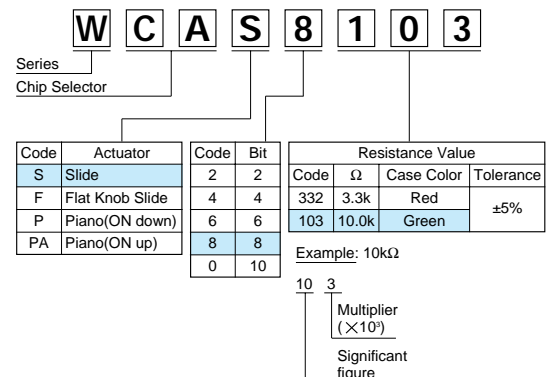


DIP-RESISTOR SWITCHES (HYBRID)

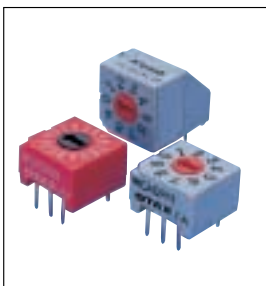
FEATURES

- 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 Auto-cleaning.
- Environmentally sealed.
- Most stable and reliable contact because of extremely high contact pressure mechanism(200kg/mm²).

HOW TO ORDER



W SERIES

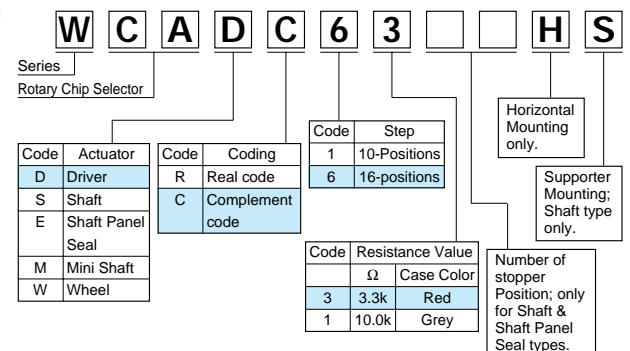


ROTARY DIP-RESISTOR SWITCHES (HYBRID)

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(100kg/mm²).

HOW TO ORDER



W SERIES

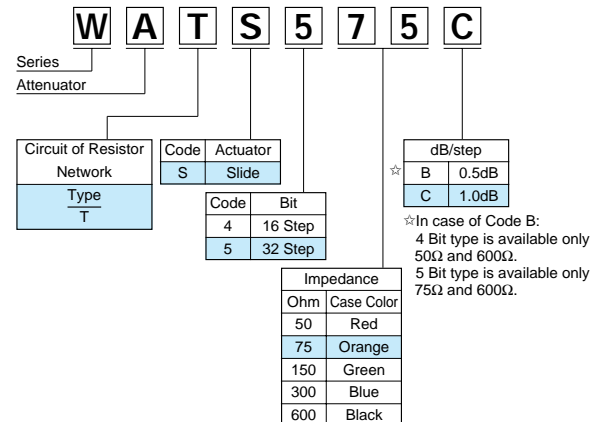


DIGITAL ATTENUATOR DIP SWITCHES (HYBRID)

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 Auto-cleaning.
- Environmentally sealed.
- Most stable and reliable contact because of extremely high contact pressure mechanism(200kg/mm²).

HOW TO ORDER



K SERIES



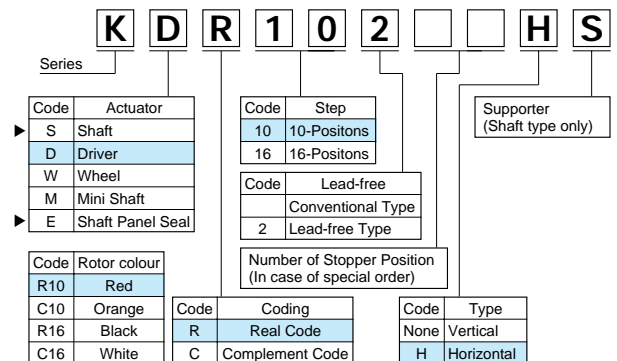
ROTARY DIGITAL CODED DIP SWITCHES

Lead-free Type

FEATURES

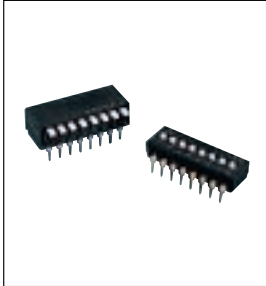
- Exclusive knife-edge high contact pressure(100kg/mm²) ensures stable contact, giving immunity to accidental operation by shock or vibration.
- High pressure 'edge' or 'point' contact is capable enough to break possibly formed film by oxidization or sulfurization, ensuring long life expectancy of 20,000 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.

HOW TO ORDER



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

K SERIES



DUAL IN-LINE PACKAGE SWITCHES

Lead-free Type

FEATURES

- 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 oxidation 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

Code		Actuator		SMT Type	
D	Slide	S	Flat Knob Slide	See "W&K Series"	
P	Piano Key ON down	PA	Piano Key ON up		
Blank		ON down			
A		ON up			

Poles	Code	Code	
		Conventional Type	Lead-free Type
1	12	-	-
2	22	02	22
3	32	-	-
4	42	04	42
5	52	05	52
6	62	06	62
7	72	07	72
8	82	08	82
9	92	09	92
10	102	10	102
12	122	-	-

□ To be marketed at a later date.
Lead-free Piano type to be sold in order.

KR SERIES



SPLASHPROOF ROTARY DIP DIGITAL CODE SWITCHES

Lead-free Type

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 expectancy, 100,000 steps minimum.
- Completely sealed with inserted-in terminals.

HOW TO ORDER

Code		Splash Proof		Coding	
S	Panel Mounted type	R	Real code		

Code		Step	
08-07	8-Positions	16-15	16-Positions