

KHS 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 cartridge).

300mil SOP Standard

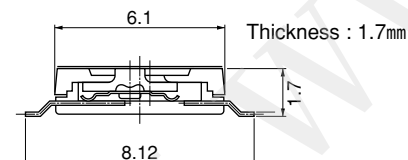
HOW TO ORDER

K		H		S		8		2		E	
Series											
Code		Actuator		Code		Poles		Code		Auto-Insertable	
S		Slide		22		2		E		Embossed Taping type	
				42		4		C		Cartridge type	
				62		6					
				82		8					
				102		10					

LOW PROFILE TYPE



KHU04



Rating : DC24V, 25mA max.
Dimension : 6.2×8.1×1.7mm

NEW PRODUCTS

KHT SERIES

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 gold-plated contact available as standard specifications.
- Auto-mountable, reflow and washable Both tube-packaging and tape & reel packaging are available.

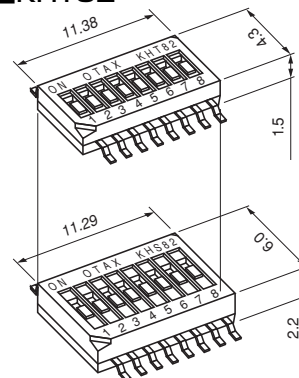
HOW TO ORDER

Series		Code		Code		Code	
K H T		8 2		E			
Code	Actuator	Code	Poles	E	Embossed Taping type		
T	Low Profile	22	2	C	Cartridge type		
		42	4				
		62	6				
		82	8				
		102	10				

To be marketed at a later date.

COMPARISON WITH CONVENTIONAL TYPE

■KHT82



■KHS82

NEW PRODUCTS

KHP SERIES

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 gold-plated contact available as standard specifications.
- Auto-mountable, reflow and washable Both tube-packaging and tape & reel packaging are available.

HOW TO ORDER

K

H

P

8

2

Series

Code

Actuator

P

Piano

Code

Poles

22

2

42

4

62

6

82

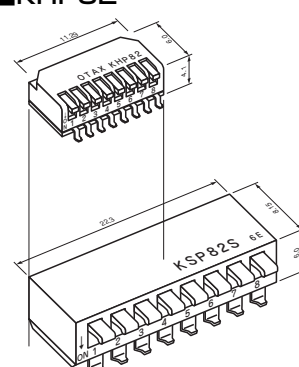
8

102

10

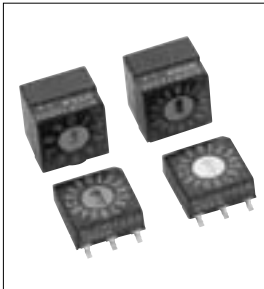
COMPARISON WITH CONVENTIONAL TYPE

■KHP82



■KSP82S

KU SERIES

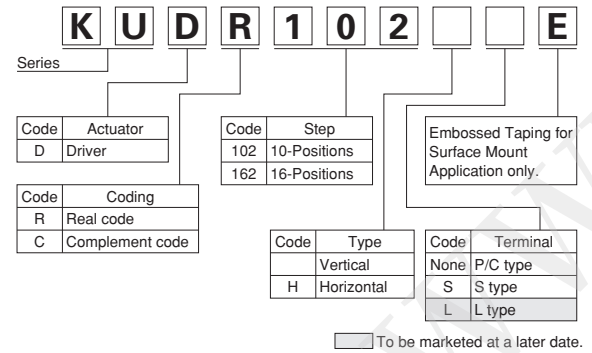


LOW PROFILE ROTARY DIP SWITCHES

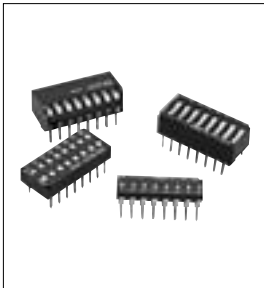
FEATURES

- 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



KY SERIES

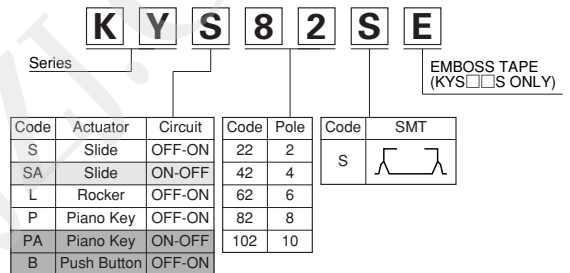


"END TO END STACKABLE" LOW PROFILE DIP SWITCHES

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

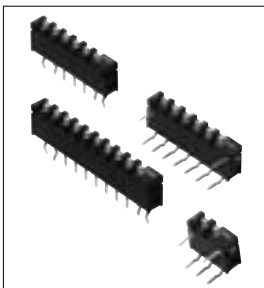


*KYP is not available with SMT terminals.

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

NEW PRODUCTS

SX SERIES

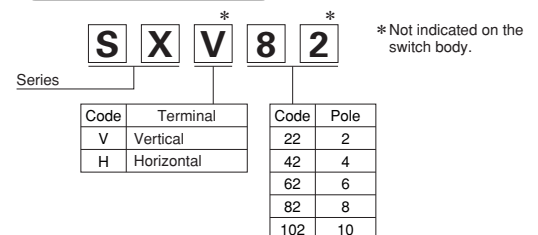


AUTO-CLEANING TYPE SIP SWITCHES

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/mm²).
- Washable without tape sealing SIP switches on the P/C board.
- Gas tight contacts(280,000 psi)

HOW TO ORDER



K SERIES

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 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

Series		K		S		D		A		8		2		S	
Code		Actuator		Slide & Flat Knob Slide		Piano ON down Piano ON up		Code		Terminal		None		P/C type	
D	Slide	Poles		Code		Code		S		S type		L		L type	
S	Flat Knob Slide	1		12		—		S		S type		L		L type	
P	Piano Key ON down	2		22		22		S		S type		L		L type	
PA	Piano Key ON up	3		32		32		S		S type		L		L type	
		4		42		42		S		S type		L		L type	
		5		52		52		S		S type		L		L type	
		6		62		62		S		S type		L		L type	
		7		72		72		S		S type		L		L type	
		8		82		82		S		S type		L		L type	
		9		92		92		S		S type		L		L type	
		10		102		102		S		S type		L		L type	
		12		122		—		S		S type		L		L type	

Blank	ON down
A	ON up

Made to order basis.

ROTARY DIGITAL CODED DIP SWITCHES

FEATURES

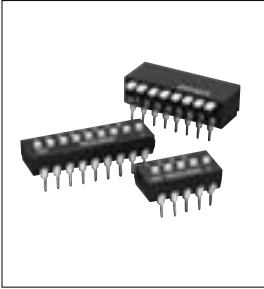
- Exclusive knife-edge high contact pressure(100kg/mm²) ensures stable contact, giving immunity to accidental operation by shock or vibration.
- High pressure 'edge' or 'point' contact is capable enough to break possibly formed film by oxidation or sulfurization, ensuring long life expectancy of 20,000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

Series		K	D	R	1	0	2	S			H	S
▶	Code	Actuator				Code	Step				Supporter (Shaft type only)	
	S	Shaft				102	10-Positions					
	D	Driver				162	16-Positions					
	W	Wheel										
	M	Mini Shaft										
▶	E	Shaft Panel Seal										
						Code	Terminal					
						None	P/C type					
						S	S type					
											Code	Type
											None	Vertical
											H	Horizontal
	Code	Rotor colour				Code	Coding				Number of Stopper Position (In case of special order)	
	R10	Red				R	Real code					
	C10	Orange				C	Complement code					
	R16	Black										
	C16	White										

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

W SERIES

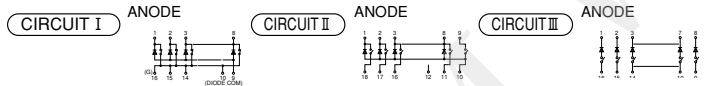
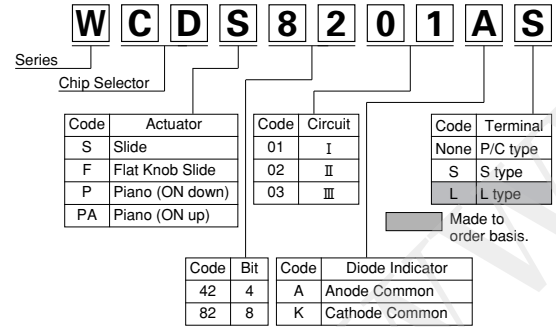


DIP-DIODE SWITCHES (HYBRID)

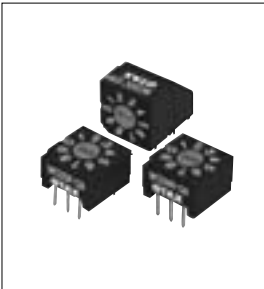
FEATURES

- 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 SERIES

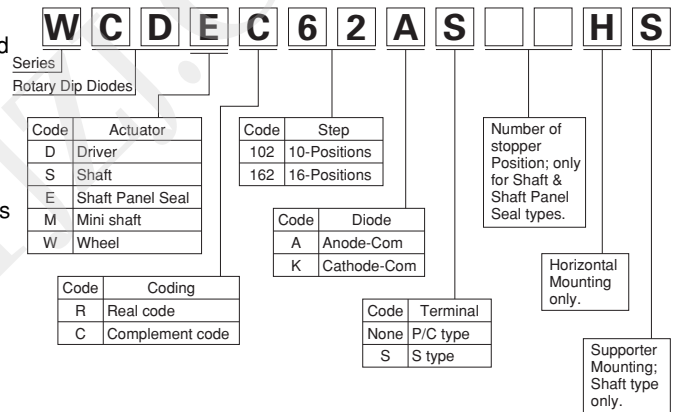


ROTARY DIP-DIODE SWITCHES (HYBRID)

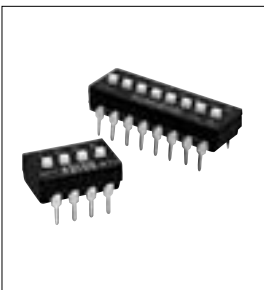
FEATURES

- 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

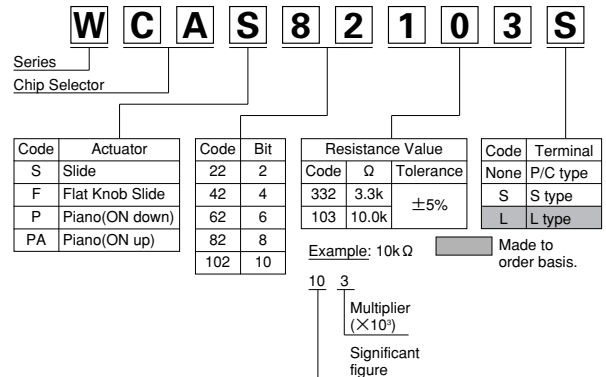


DIP-RESISTOR SWITCHES (HYBRID)

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



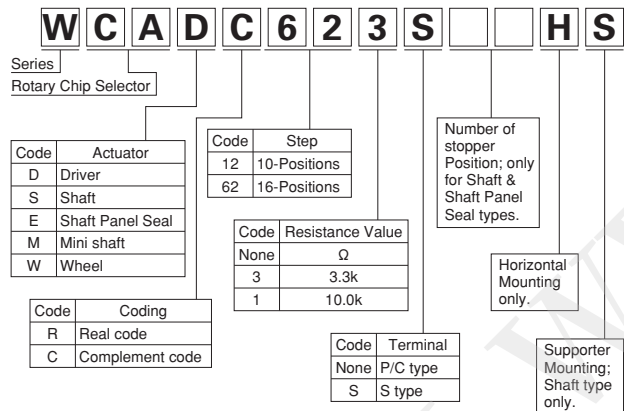
W SERIES

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



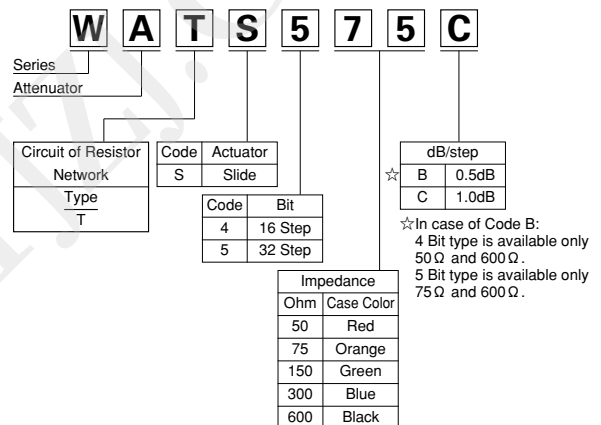
W SERIES

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



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

HOW TO ORDER

