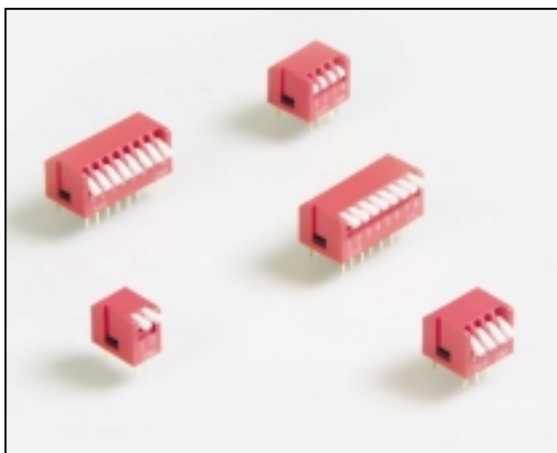




SPECIFICATIONS

Switch Function:	SPST, 1 thru 12 positions (except position 11)
Contact Rating:	Switch: 25mA @ 24V DC Carry: 100mA @ 50V DC
Insulation Resistance:	100 MΩ Min. @ 500V DC
Contact Resistance:	Initial: 50 mΩ typical @ 2-4V DC @ 100mA After Life: 100mΩ typical @ 2-4 DC @ 100mA
Operating Life:	2,000 make-and-break cycles, each circuit
Operating Force:	1000 gf max.
Travel (Actuator):	2.0 mm typical
Dielectric Strength:	500V RMS min. @ sea level between adjacent terminals
Temperature Range:	Operating/Storage: -40° C to 85° C
Vibration:	To MIL-STD-202F, Method 201 A
Shock:	To MIL-STD-202F, Method 213B, Condition A
Soldering:	
Recommendations:	Wave: 500 F (260 C) for 5s max; Hand: 30W soldering iron @ 608 F (320 C) for 2s typical. Keep all switches in the "OFF" position during soldering and cleaning process.

MATERIALS

Housing and Actuator:	Glass filled polyester (PBT) UL94-V0
Contacts:	Phosphor Bronze with gold plate over nickel plate
Terminals:	Phosphor Bronze with gold plate over nickel plate
Tape:	Mylar

PACKAGING

Switches are supplied in standard IC tubes with all poles "OFF".

HOW TO ORDER

Series	Model No.	Termination	Circuit	No. of Positions	Actuator	Seal
KA						
	P=Piano Type	1=PC Pin	1=SPST	02 03 04 05 06 07 08 09 10 12	R=Recessed Act., Top Side OFF E=Extended Act., Top Side OFF V=Recessed Act., Top Side ON W=Extended Act., Top Side ON	(None)=Std. Unsealed T=Top Tape Sealed

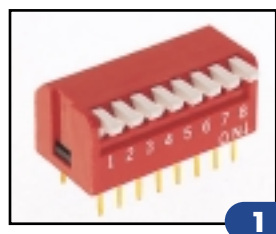
EXAMPLE

KA → P → 1 → 1 → 04 → R → T

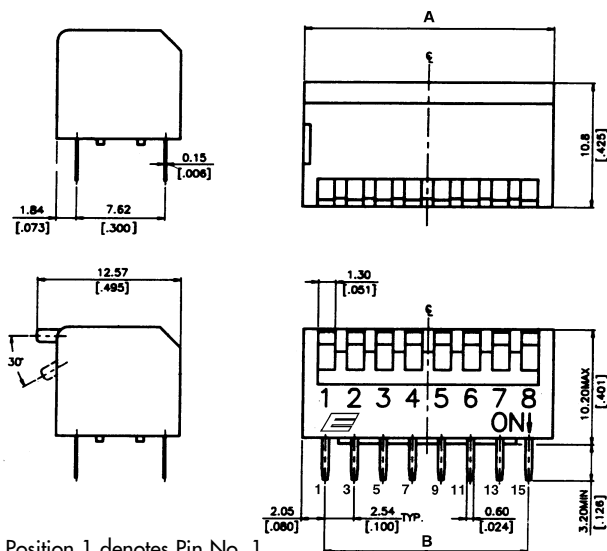
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

PIANO DIP SWITCHES

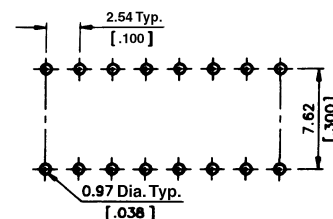
TERMINATION OPTIONS



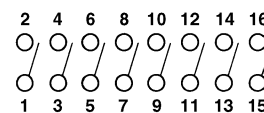
PC Pin



P.C. MOUNTING



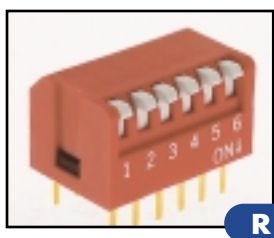
Schematic



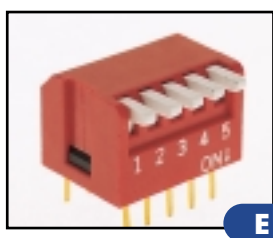
ACTUATOR OPTIONS

Positions:	2	3	4	5	6	7	8	9	10	12
"A"	6.64	9.18	11.72	14.26	16.8	19.34	21.88	24.42	26.96	32.04
Dimension:	(.261)	(.361)	(.461)	(.561)	(.661)	(.761)	(.861)	(.961)	(1.061)	(1.261)
"B"	2.54	5.08	7.62	10.16	12.7	15.24	17.78	20.32	22.86	27.94
Dimension:	(.100)	(.200)	(.300)	(.400)	(.500)	(.600)	(.700)	(.800)	(.900)	(1.100)

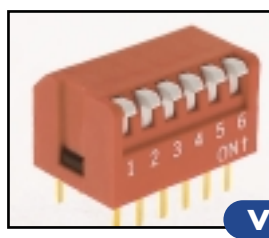
NUMBER OF POSITIONS



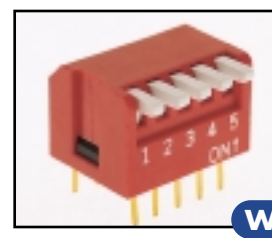
Recessed topside "OFF"



Extended Topside "OFF"

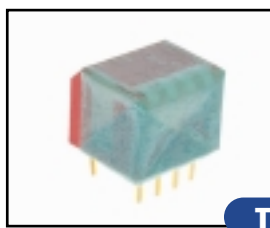


Recessed Topside "ON"



Extended Topside "ON"

SEAL OPTIONS



Top Tape Sealed

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Mouser Electronics

Authorized Distributor

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E-Switch:

[KAP1104V](#) [KAP1106V](#)