## Specifications

**Switch Function:** SPST, 1 thru 12 positions (except position 11)
- Switch: 25mA @ 24V DC
- Carry: 100mA @ 50V DC

**Insulation Resistance:** 100 MΩ min. @ 500V DC
- Initial: 50 mΩ typical @ 2-4V DC @ 100mA
- After Life: 100mΩ typical @ 2-4 DC @ 100mA

**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
- 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

**Example**

<table>
<thead>
<tr>
<th>Series</th>
<th>Model No.</th>
<th>Termination</th>
<th>Circuit</th>
<th>No. of Positions</th>
<th>Actuator</th>
<th>Seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>KA</td>
<td></td>
<td>S</td>
<td>1</td>
<td>02, 03, 04, 05, 06, 07, 08, 09, 10, 12</td>
<td>R=Recessed Actuator*</td>
<td>(None)=Std. Unsealed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E=Extended Actuator</td>
<td>T=Top Tape Sealed</td>
</tr>
</tbody>
</table>

*EXAMPLE*

KA → S → 2 → 1 → 06 → E → T
SERIES KAS SWITCHES

SLIDE DIP SWITCHES

TERMINATION OPTIONS

1. PC Pin
   - Positions: 2 3 4 5 6 7 8 9 10 12
   - Dimension: "B" 2.54 5.08 7.62 10.16 12.7 15.24 17.78 20.32 22.86 27.94

2. Right Angle PC Pin
   - Positions: 2 3 4 5 6 7 8 9 10 11 12
   - Dimension: (.254) (.354) (.454) (.554) (.654) (.754) (.854) (.954) (1.054) (1.254)

ACTUATOR OPTIONS

- Recessed
- Extended

SEAL OPTIONS

- Top Tape Sealed
- Top Tape Sealed

Schematic

- Position 1 denotes Pin No. 1.