

KSM Series

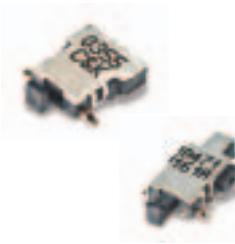
Side Actuated Detect Switches

Features/Benefits

- Low profile – 1,5 mm
- Momentary, normally closed contact
- Thermo-formed tape & reel
- RoHS compliant and compatible

Typical Applications

- Automotive
- Position sensing switch
- Edge card reset switch
- Smart card presence switch detector
- DSL and fiber optic networks



Specifications

FUNCTION: Momentary action

CONTACT TYPE: SPST Normally closed

Mechanical

TRAVEL TO BREAK: KSM1131D $0,35 \pm 0,15$ mm
 KSM6161 $0,5 \pm 0,20$ mm

TOTAL TRAVEL: KSM1131D $1,25 \pm 0,2$ mm
 KSM6161 $1,92 \pm 0,2$ mm

FORCE AT MAXIMUM TRAVEL:
 KSM1131D $1,05N < F_a < 1,45N$
 KSM6161 $0,99 < F_a < 1,34 N$

OPERATING LIFE: KSM1131D 50,000 cycles
 KSM6161 200,000 cycles

Packaging

Switches are delivered on continuous tape, in reels of 2,000 pieces (KSM1131D) and 1250 pieces (KSM6161)

Electrical

MAXIMUM POWER: 1.0 VA (KSM6161) / 0.2 VA (KSM1131D)
MAXIMUM VOLTAGE: 32 VDC
MINIMUM VOLTAGE: 20 mV
MAXIMUM CURRENT DC: 50 mA
MINIMUM CURRENT DC: 1 mA
CONTACT RESISTANCE: $\leq 900 \text{ m}\Omega$ (KSM6161) / $300 \text{ m}\Omega$ (KSM1131D)
INSULATION RESISTANCE: $\geq 10^9 \Omega$
DIELECTRIC STRENGTH: $\geq 250 \text{ Vrms}$
BOUNCE TIME: $\leq 3 \text{ ms}$ (KSM6161) / $1,25 \text{ ms}$ (KSM1131D)

Environmental

OPERATING TEMPERATURE: -40°C to $+85^{\circ}\text{C}$
STORAGE TEMPERATURE: -55°C to $+85^{\circ}\text{C}$

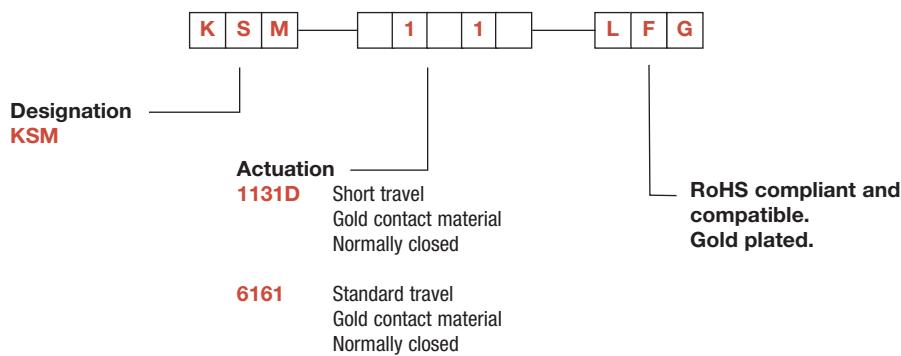
Process

SOLDERING: Compatible with lead free reflow process

NOTE: Specifications listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on page E-20. For additional options not shown in catalog, consult our Customer Service Center.



Detect

C&K

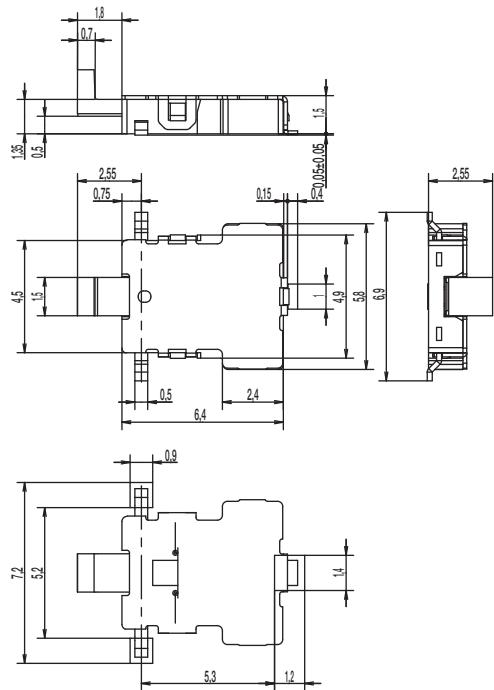


Dimensions are shown: mm

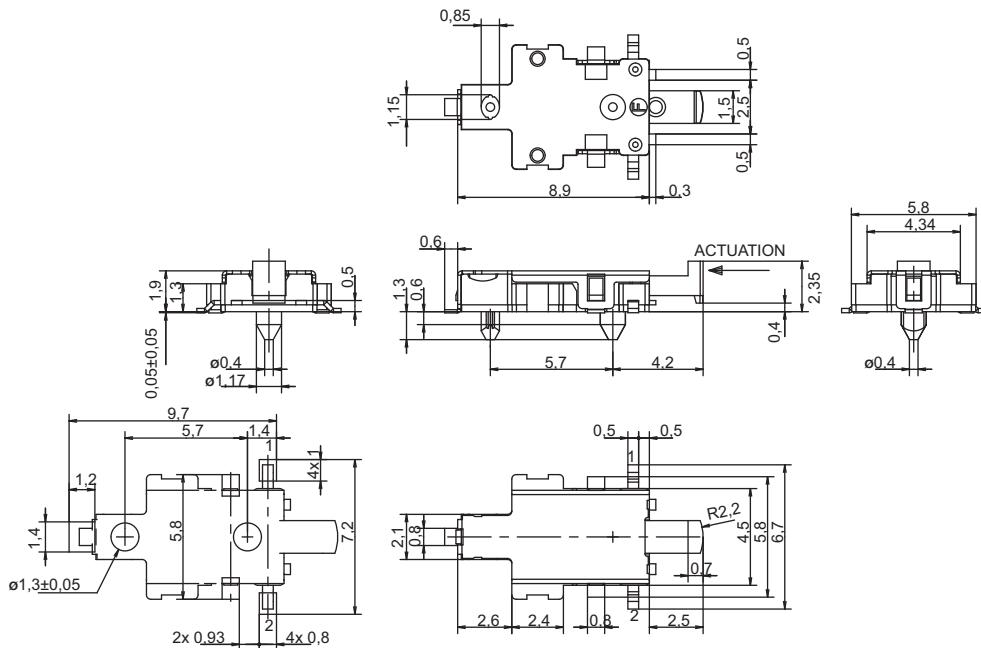
Specifications and dimensions subject to change

KSM Series Side Actuated Detect Switches

KSM1131D



KSM6161



E

Detec⁺



First Angle Projection

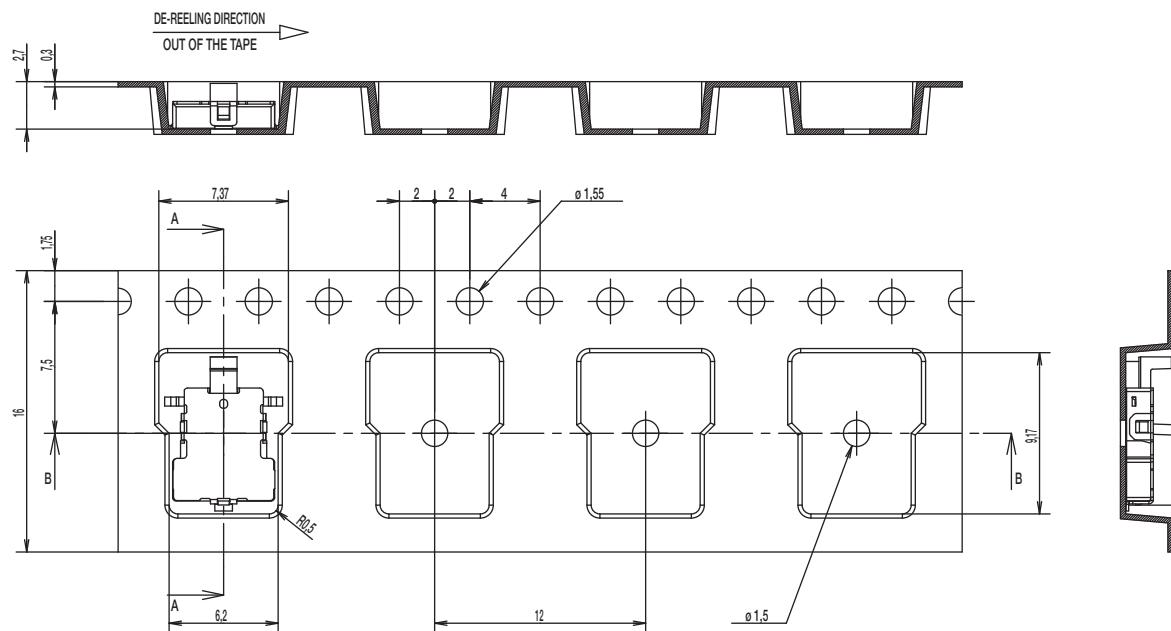
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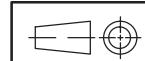
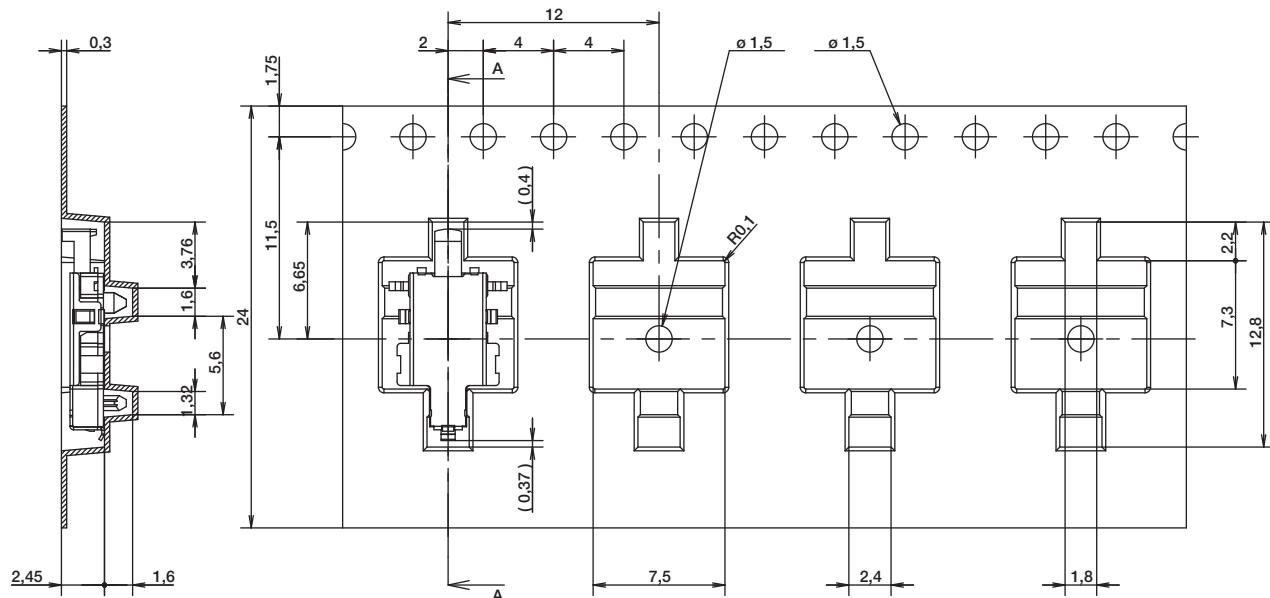
Side Actuated Detect Switches

TAPE & REEL

KSM1131D



KSM6161



First Angle
Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[KSM6161LFG](#)