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: 0.3 mm ≤ Te ≤ 0.70 mm

TOTAL TRAVEL: 1.72 mm ≤ Tm ≤ 2.12 mm

FORCE AT MAXIMUM TRAVEL: 0.99 N ≤ Fa ≤ 1.34 N

OPERATING LIFE: 50,000 cycles

Packaging

Switches are delivered on continuous tape, in reels of 2,000 pieces

Electrical

MAXIMUM POWER:	1.0 VA
MAXIMUM VOLTAGE:	32 VDC
MINIMUM VOLTAGE:	20 mV
MAXIMUM CURRENT DC:	50 mA
MINIMUM CURRENT DC:	1 mA
CONTACT RESISTANCE:	≤ 900 mΩ
INSULATION RESISTANCE:	≥ 10^9 Ω
DIELECTRIC STRENGTH:	≥ 250 Vrms
BOUNCE TIME:	≤ 3 ms

Environmental

OPERATING TEMPERATURE:	-40°C to +85°C
STORAGE TEMPERATURE:	-55°C to +85°C

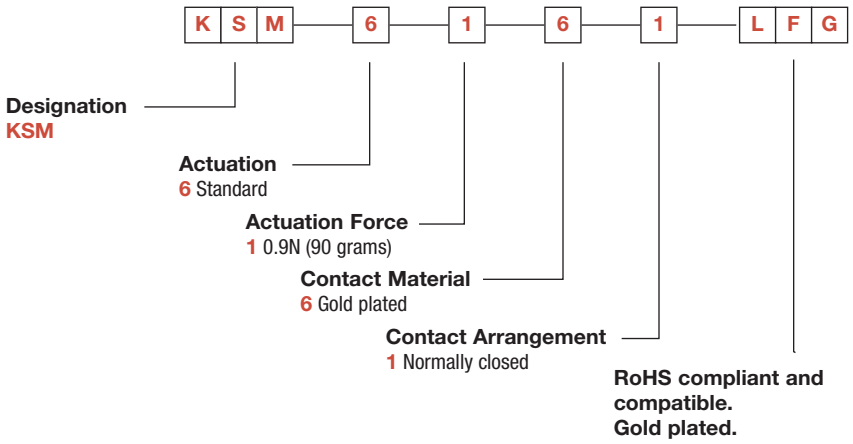
Process

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

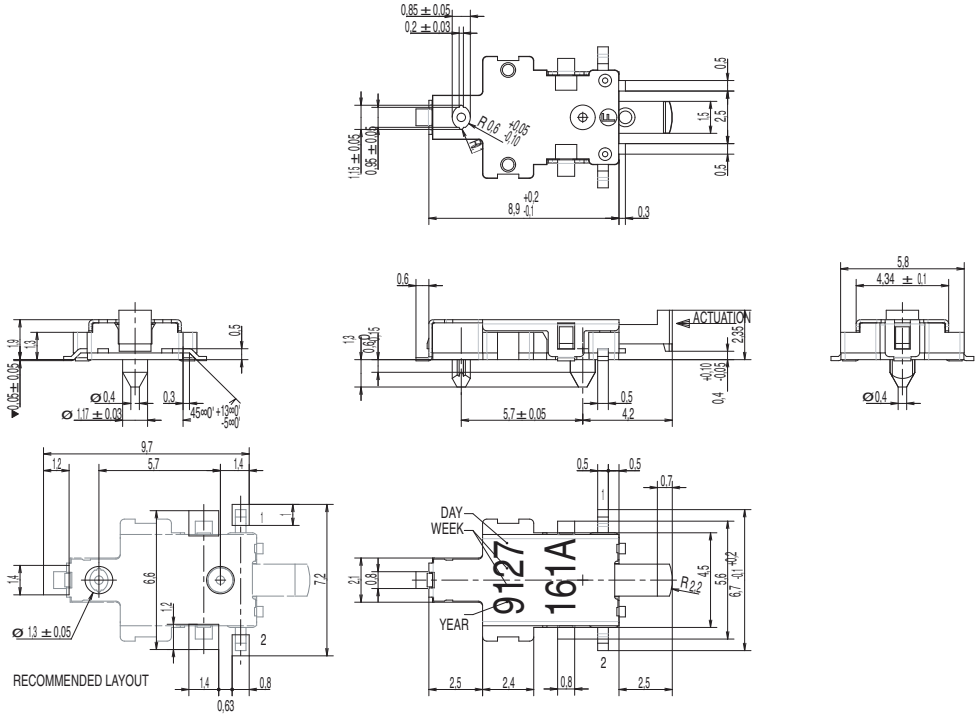
To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on page E-23. For additional options not shown in catalog, consult our Customer Service Center.



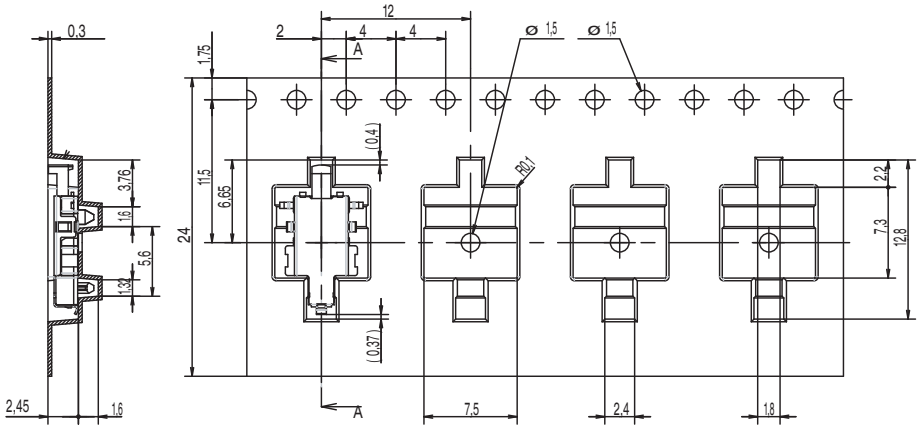
First Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

KSM



TAPE & REEL



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