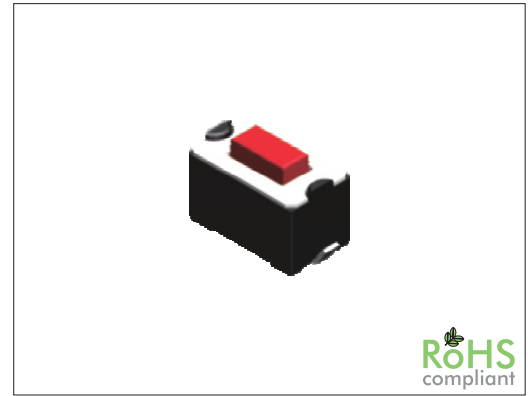


# SW-DTSM Series SMT Tactile Microswitch 3.5 x 6.0 mm

## General specifications

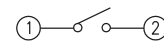
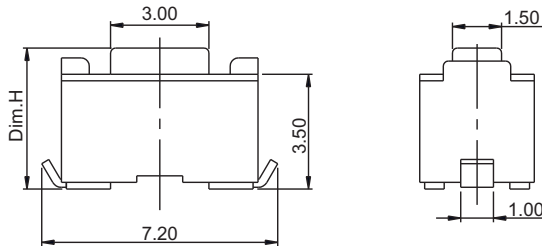
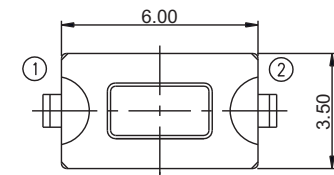
Housing material	Nylon, UL94V-0, color: black
Actuator material	Nylon, UL94V-0
Contact material	Stainless steel, plating: silver
Current rating	50 mA
Voltage rating	12 VDC
Contact resistance	100 mΩ max.
Insulator resistance	100 MΩ min. @ 500 VDC
Dielectrical withstanding	250 VAC for 1 min
Operating temperature	-25 °C to +70 °C
Operating force	see table
Durability	see table
Soldering	JEDEC lead free reflow soldering process



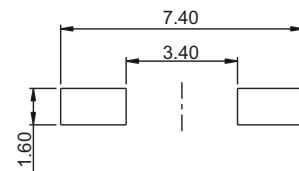
## Mechanical dimensions

Unit: mm

### SW-DTSM3

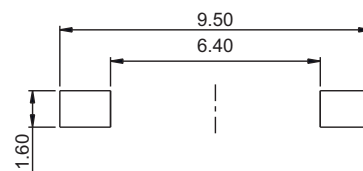
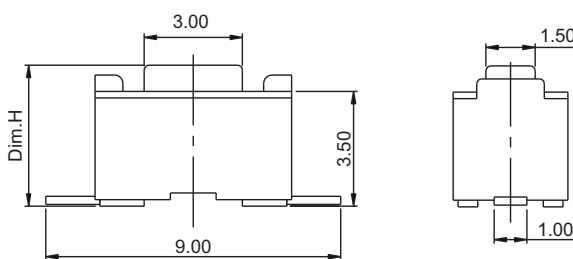
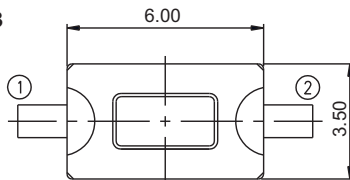


Circuit diagram



Recommended P.C.B. layout

### SW-DTSM3



Recommended P.C.B. layout

Actuator specification				
Code	Color	Operating force	Stroke	Durability
K	Black	125±50 gf	0.25	50000 cycles
N	Brown	160±50 gf	0.25	50000 cycles
R	Red	260±50 gf	0.25	30000 cycles
S	Salmon	320±80 gf	0.25	30000 cycles
Y	Yellow	520±130 gf	0.25	30000 cycles

Tolerances	
Linear	± 0.20

## Part numbering guide

<b>SW-DTSM3</b>	<b>1</b>	<b>K</b>	<b>V</b>	<b>TR</b>
Series SMT pins SW-DTSM3 = J-bend SW-DTSM3L = Flat	Dim. H 1 = 4.30 mm 2 = 5.00 mm	Actuator specification see table (Salmon and yellow not available for halogen free)	Material V = Lead free Q = Halogen free	Packing B = Tube TR = Reel*

\* standard

