

Technical drawing of the 1000 Series Carrier Assembly, showing dimensions in inches and millimeters.

Top View Dimensions:

- Overall width: 12.70 ± 1 (.50 $\pm$.039)
- Distance between component centers: 6.35 ± 1 (.25 $\pm$.039)
- Distance from center to edge: $3.85 \pm .50$ (.152 $\pm$.02)
- Overall height: $18 \pm .40$ (.709 $\pm$.20)
- Distance from bottom edge to component base: $6 \pm .236$
- Distance from top edge to component base: $9 \pm .354$
- Distance from side edge to component base: $5 \pm .197$
- Carrier Tape width: $12.70 \pm .30$ (.50 $\pm$.012)
- Carrier Tape thickness: $.50 \text{ max.}$ (.02)
- Carrier Tape material: $\phi 4 \pm .30$ (.152 $\pm$.012)
- Carrier Tape label: $5 \pm .10$ (.197 $\pm$.004)
- Carrier Tape hole diameter: $\phi 1 \pm .10$ (.039 $\pm$.004)

Side View Dimensions:

- Overall height: $18 \pm .40$ (.709 $\pm$.20)
- Distance from bottom edge to component base: $6 \pm .236$
- Distance from top edge to component base: $9 \pm .354$
- Distance from side edge to component base: $5 \pm .197$

Detail View Dimensions:

- Overall width: $6.20 \pm .244$
- Distance between component centers: $3.50 \pm .138$
- Distance from center to edge: $1.875 \pm .069$

Circuit Diagram:

The circuit diagram shows two terminals, T1 and T2, connected by a switch. The switch is labeled "Circuit Diagram".

- Type: SPST
- Operation Force: 160 $\pm$ 50gf
- Stop Strength: Max. 3kgf vertical static load continuously for 15 secs.
- Stroke: (6x6) 0.25+0.2mm/-0.1mm
- Operating Temp: -25°C to +70°C
- Storage Temp: -30°C to +80°C

- Electrical Life: 1,000,000 cycles
- Rating: 50mA/12VDC
- Contact Resistance: 100M Ohm max.
- Insulation Resistance: 100M Ohm min. at 500VDC
- Dielectric Strength: 250VAC/ minute

- Cover: Steel
- Base: Nylon Thermoplastic (blk)
- Stem: Nylon Thermoplastic (brn)
- Contact Disc: Phosphor Bronze w/ Silver Cladding
- Terminal: Brass w/ Silver Cladding

- Wave Soldering: Recommended solder temperature at 500°F (260°C) max. 5 seconds
- Hand Soldering: Use a soldering iron of 30 watts, controlled at 608°F (320°C) approx. 2 seconds

Mountain Switch Part No.	(H) Height mm (In.)	(I) mm (In.)
TS7311T1607	13.0 (.512)	.6 (.0236) Max.
TS7311T1606	9.5 (.374)	.6 (.0236) Max.
TS7311T1603	7.0 (.275)	.6 (.0236) Max.
TS7311T1602	5.0 (.197)	.6 (.0236) Max.
TS7311T1601	4.3 (.169)	.5 (.0197) Max.

TS7311T1601, TS7311T1602, TS7311T1603,
TS7311T1607, TS7311T1606

Mountain Switch

Mouser Electronics

Authorized Distributor

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

Mountain Switch:

[101-TS7311T1603](#) [101-TS7311T1602](#) [101-TS7311T1607](#) [101-TS7311T1606](#)