

| | 2S1-Series Sub-Miniature Toggle Switch | Specifications Contact Rating refer to ordering scheme |
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| <u>>> ~ ~ ~</u> | | Electrical Life 30,000 make & break cycles @ full load Contact Resistance 20 mΩ max. initial @ 2-4 VDC |
| | | 100mA for both silver & gold plated contacts. |
| | | Insulation Resistance 1000 M Ω min. Dielectric Strength 1500 Volts RMS @ sea level |
| | 2SS-Series | Operating Temperature30°C to +85°C Index of Protection 2SS & 2SM-Series: IP67 Solder Heat Resistance MIL-STD-202, Method 210 |
| | <i>Sealed</i> Sub-Miniature Toggle Switch | Actuator Travel |
| | | Case all UL 94 V-0 2S1-Series: Dially phthalate (DAP) |
| A | | <i>2SS-Series:</i> Glass filled nylon 6/6, flame retardant, heat stabilized <i>2SM-Series:</i> Glass filled nylon 4/6, |
| 2 | 2SM-Series | flame retardant, heat stabilized Toggle 2 <i>S1-Series:</i> Brass, chrome plated. |
| and the second sec | Sealed Surface Mount Sub-Miniature | 2SS & 2SM-Series: Brass, chrome plated or nylon, internal o-ring sealed |
| | Toggle Switch | Bushing |
| | | flame retardant, heat stabilized (UL 94V-0) |
| | | <i>2SM-Series:</i> Glass filled nylon 4/6, flame retardant, heat stabilized (UL |
| | | 94V-0) Housing |
| 2S1-Series Ordering Scheme | | Switch Support Brass, tin plated Terminal Seal Epoxy |
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| | | |
| Series Pole | | ator Style Bushing Termination Contact Seal |
| 1 SERIES 2S1 Sub-Miniature Toggle Switch | | 6 TERMINATION M1 Solder Lug M2 PCB |
| 2 POLES MSP single pole - uses terminals 1, 2 & 3. MDP double pole uses terminals 1,2, 3, 4, 5 | & 6. | M6 PC Mount, 90° horizontal M7 PC Mount, 90° vertical VS2 PC Mount, U bracket, .620 mounting x .460 high VS3 PC Mount, U bracket, .620 mounting x .630 high VS1 Snap-In, U bracket |
| 3 CIRCUIT () - momentary | | 7 CONTACT |
| Switching Position: 2-3, 5-6 OPEN 1 ON NONE | 2-1, 5-4 ON | Material Terminal Plating Rating Approvals G silver' gold over silver' 3A@ 125VAC or 28VDC, UL CSA 1.5A @ 250VAC 1.5A @ 250VAC K gold² tin-lead⁴ K gold² tin-lead⁴ 0.4VA max. @20V max – |
| 2 ON NÔNE 3 ON OFF 4 (ON) OFF 5 ON OFF | (ON) ON (ON) (ON) | P silver' tin-lead AC/DC) P silver' tin-lead 1.5A @ 250VAC |
| 4 ACTUATOR STYLE | | Q silver' silver' 3A@125VAC or 28VDC, UL CSA 1.5A@250VAC R gold ² gold ² 0.4VA max. @20V max – |
| T1 Round toggle .358 length T3 | Round toggle .299 length Round toggle .433 length | NOTE: |

| 4 ACTUATOF T1 Round to T2 Round to | R STYLE oggle .358 length oggle .220 length | | | gle .299 length gle .433 length |
|---|---|----------------------------|---------------|--|
| 5 BUSHING B1 B2 B3 B4 B5 B6 B7 B8 | Threaded Standard, key Non-Threaded Standard Threaded Short, keyway Non-Threaded Short, ke High Torque, 7.5mm, fla High Torque, 8.0mm, ke Long threaded Metric | l, kéywa / yway t | Note: ay 1 | All Switches come with standard nut, washer and locking ring shipped bulk. B5 & B7 bushing styles use small locking ring. |

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8 EPOXY SEAL

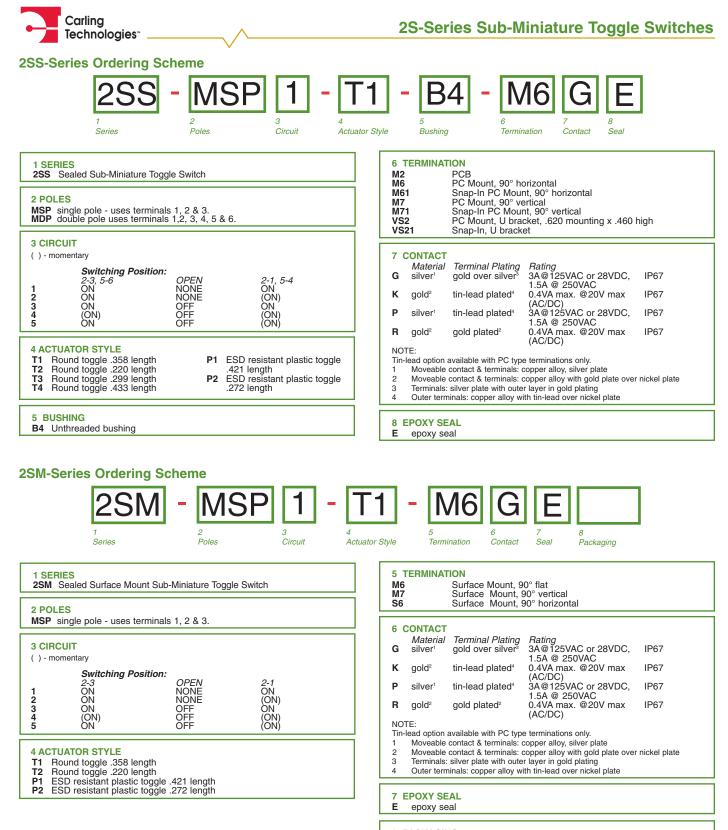
epoxy seal

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Tin-lead option available with PC type terminations only.
 Moveable contact & terminals: copper alloy, silver plate
 Moveable contact & terminals: copper alloy with gold plated over nickel plate

Terminals: silver plate with outer layer in gold plating Outer terminals: copper alloy with tin-lead over nickel plate



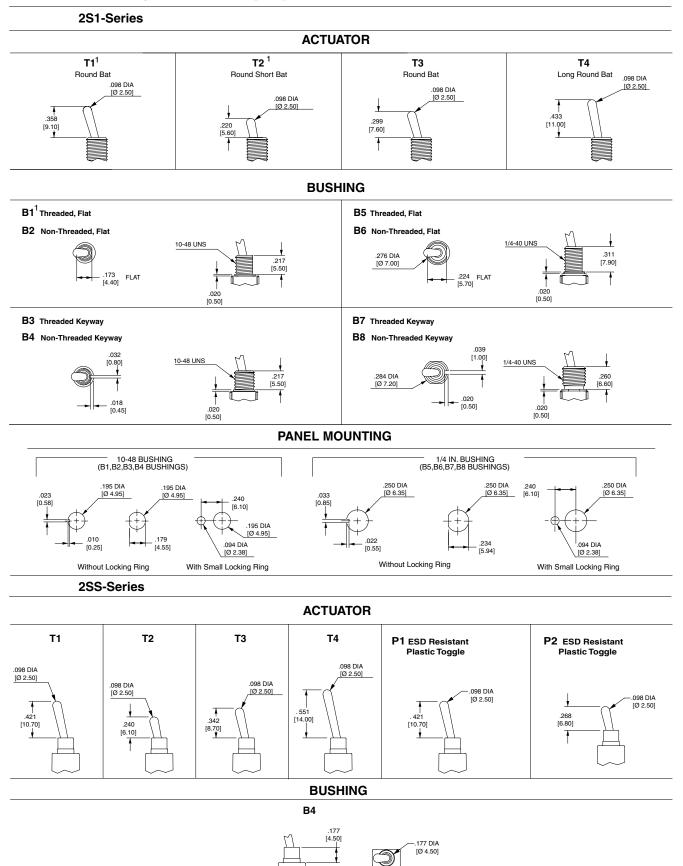
8 PACKAGING

Switches are bulk packed, unless $\ensuremath{\mathbf{T/R}}$ is specified at the end of the part number.

T/R tape reel - 500 pieces per reel



2S-Series Dimensional Specifications: in. [mm]



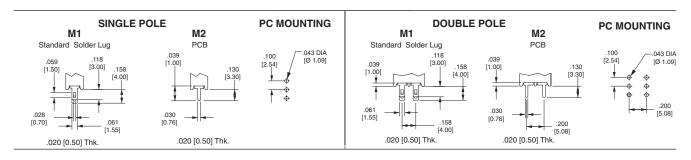
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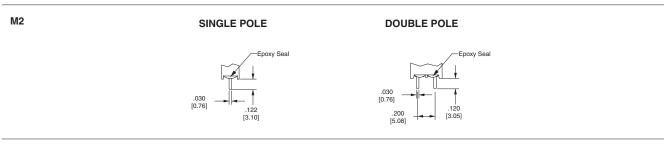
2S-Series Dimensional Specifications: in. [mm]

TERMINATION

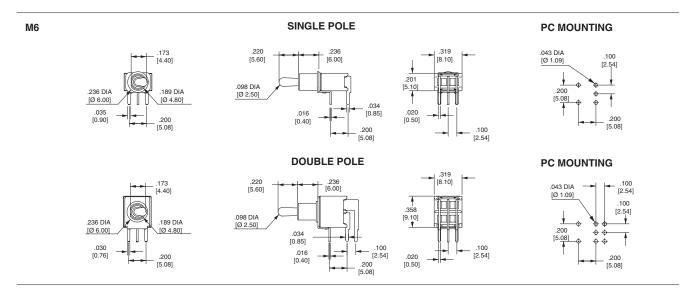
2S1-Series



2SS-Series

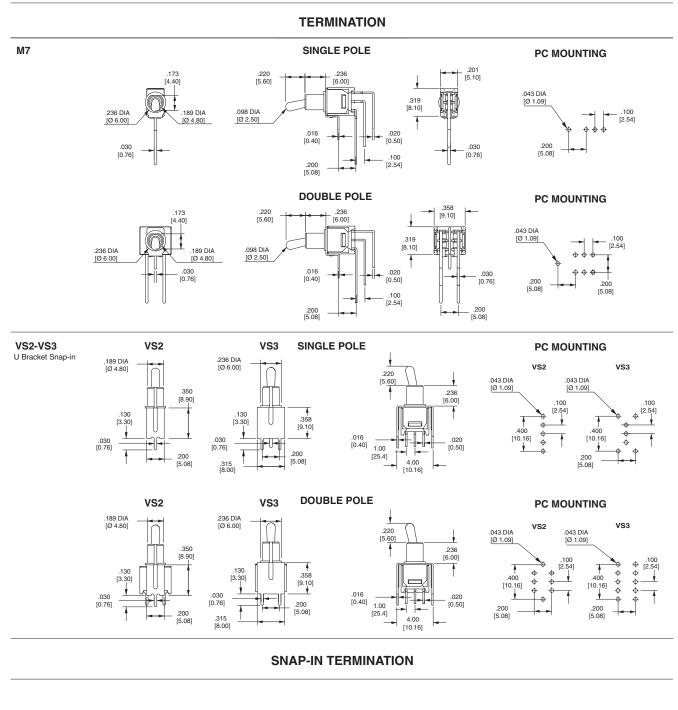


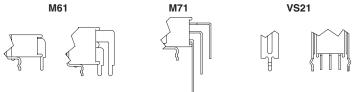
2S-Series





2S-Series Dimensional Specifications: in. [mm]



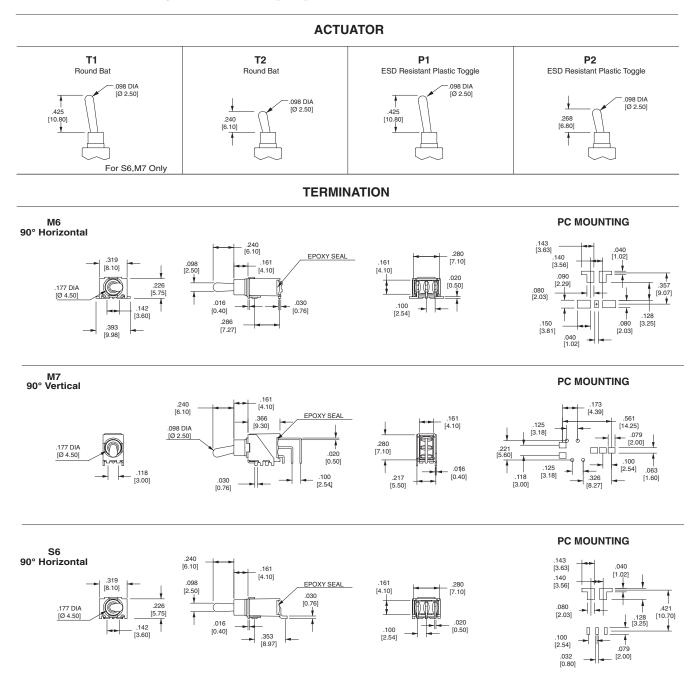


M61,M71,VS21 have the same P.C. mounting but with snap-in bracket.

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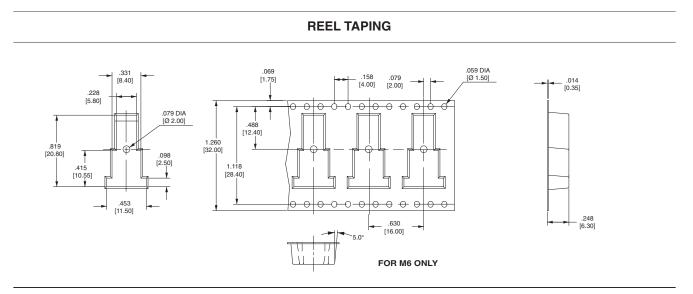


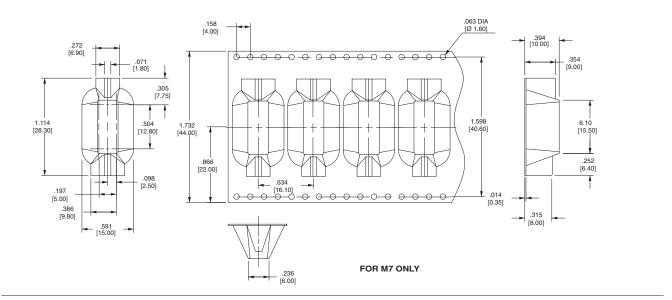
2SM-Series Dimensional Specifications: in. [mm]

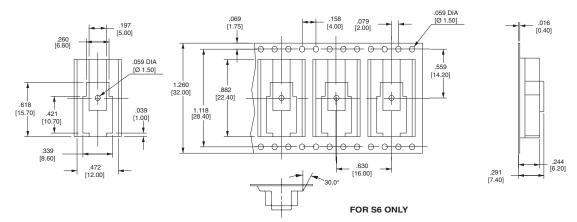




2SM-Series Dimensional Specifications: in. [mm]







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