

	<b>2S1-Series</b> Sub-Miniature Toggle Switch	Specifications Contact Rating refer to ordering scheme
<u>&gt;&gt; ~ ~ ~</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 $\Omega$ 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
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 <sup>2</sup> gold <sup>2</sup> 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

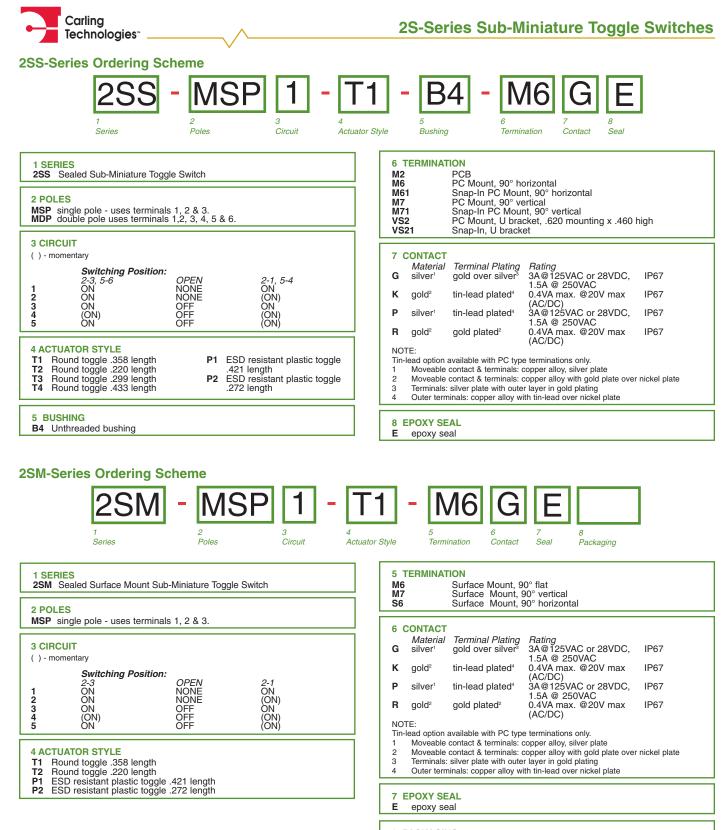
epoxy seal

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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



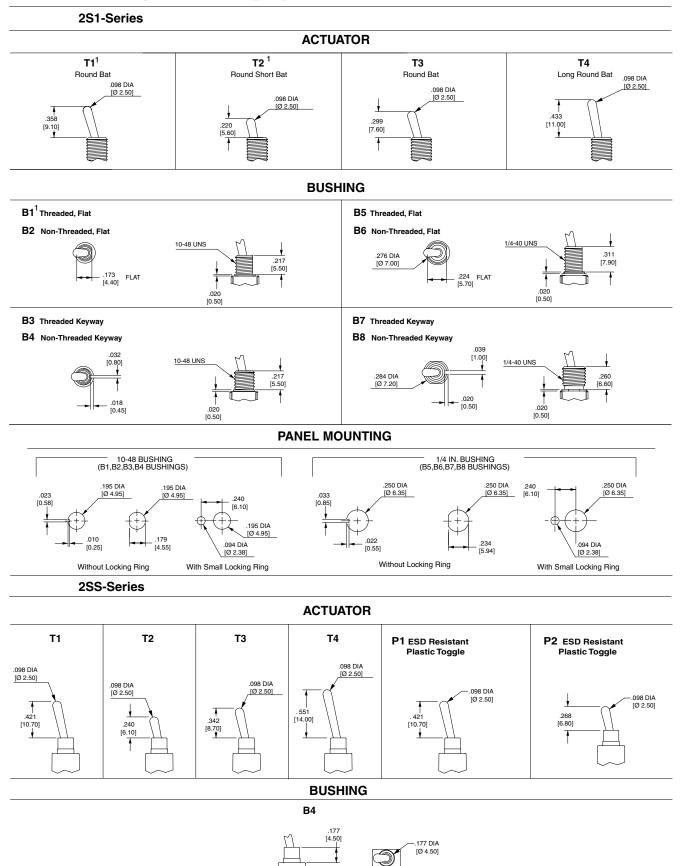
8 PACKAGING

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]

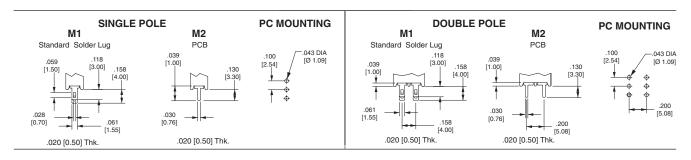




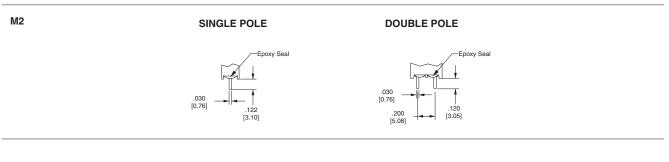
### 2S-Series Dimensional Specifications: in. [mm]

TERMINATION

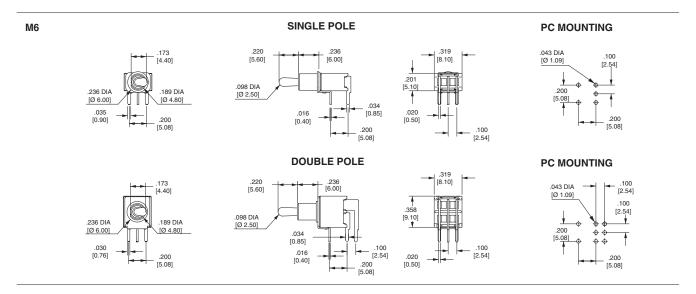
2S1-Series



2SS-Series

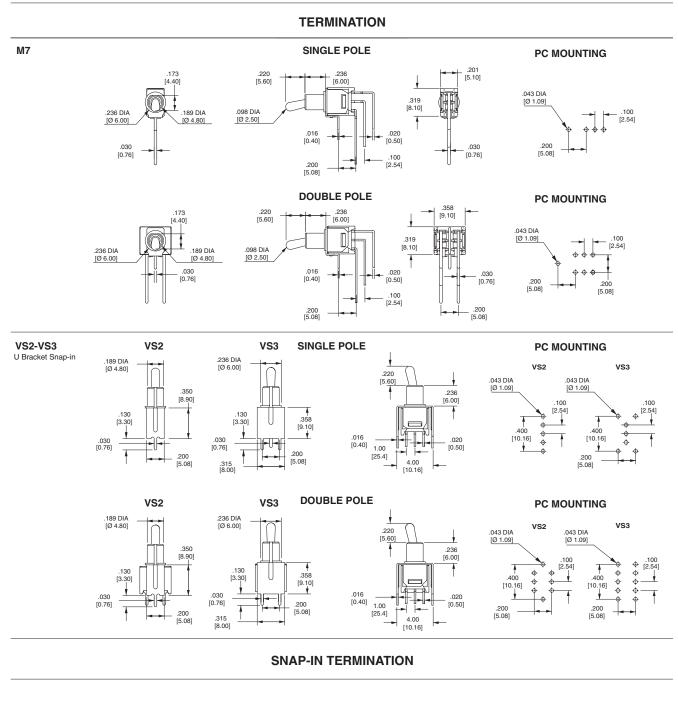


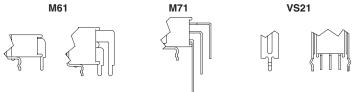
2S-Series





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

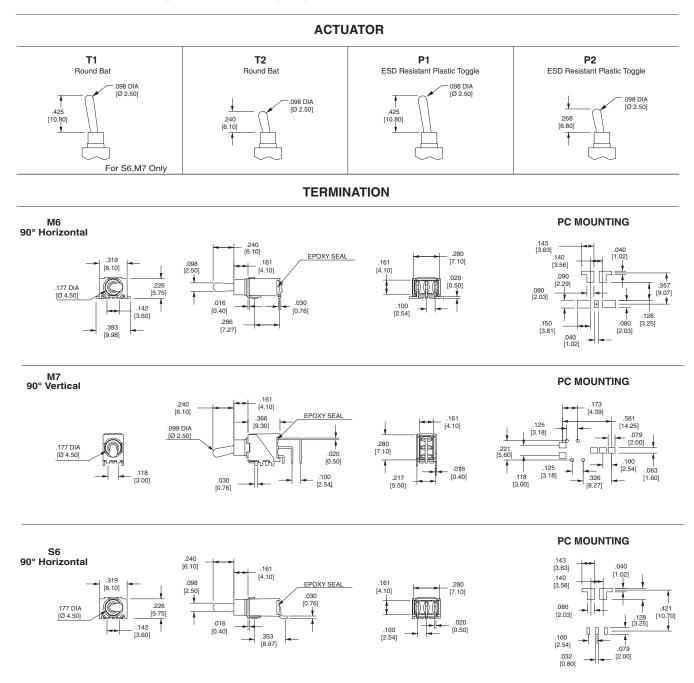




M61,M71,VS21 have the same P.C. mounting but with snap-in bracket.

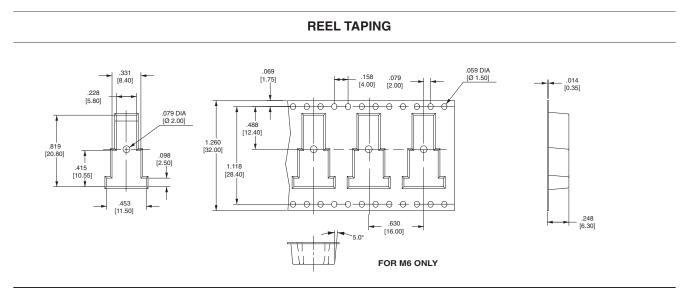


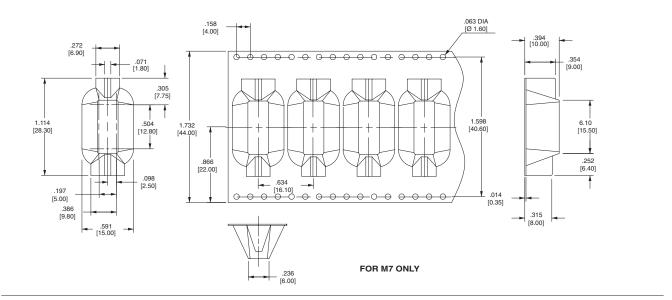
#### 2SM-Series Dimensional Specifications: in. [mm]

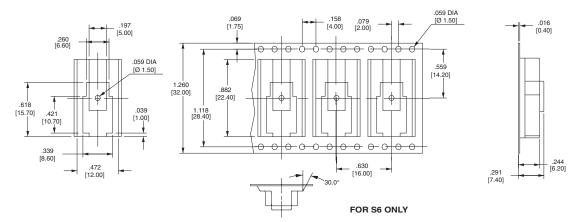




### 2SM-Series Dimensional Specifications: in. [mm]







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