

**SPECIFICATIONS**

**CONTACT RATING:** Dependent upon contact material, see page 88.

**MECHANICAL LIFE:** 30,000 make-and-break cycles.

**CONTACT RESISTANCE:** 20 mΩ max. (initial value) @ 2-4VDC  
100mA for both silver and gold plated contacts.

**INSULATION RESISTANCE:** 1,000 MΩ min./1000VDC

**DIELECTRIC STRENGTH:** 1,000 Vrms min.@sea level. (initial value)

**OPERATING TEMPERATURE:** -40°C to 85°C.(std)  
-30°C to 85°C.(SMT)

**MATERIALS**

**CASE:** Diallyl phthalate (DAP) (UL94v-0).

**HOUSING:** Stainless steel or phosphor bronze, tin plated.

**ACTUATOR:** Nylon, black std.

**CONTACT:** Brass or copper with silver or gold plated.

**TERMINALS:** Copper with silver and gold plated.

(See page 88)

**HOW TO ORDER**

MODEL NO.	ACTUATOR	TERMINAL TYPE	TERMINAL PLATING	SEAL	RoHS SOLDERING
<p><u>SP</u></p> <p>5FS1 ON-NONE-ON</p> <p>5FS3 ON-OFF-ON</p>	<p>S102 3.10 high</p> <p>S202 5.00 high *</p>	<p>M2 PC thru-hole</p> <p>M51 Wire wrap</p> <p>M6 Right angle, PC thru-hole</p> <p>M6N Right angle, snap-in, PC thru-hole **</p> <p>M7N Vertical right angle, snap-in, PC thru-hole **</p> <p>MZ Surface mount. **</p>	<p>Q Silver</p> <p>R Gold</p> <p>C Gold over silver</p>	<p>E EPOXY (std)</p> <p>N NO EPOXY</p>	<p>S RoHS &amp; Lead Free</p>
<p><u>DP</u></p> <p>5FD1 ON-NONE-ON</p> <p>5FD3 ON-OFF-ON</p>					

\* Only available for DPDT.  
\*\* The terminal type of M6N, M7N, MZ are not suitable for DPDT.

EXAMPLE: 5FS1S102M2QES



# 5F Series

Sub-Miniature Slide Switches

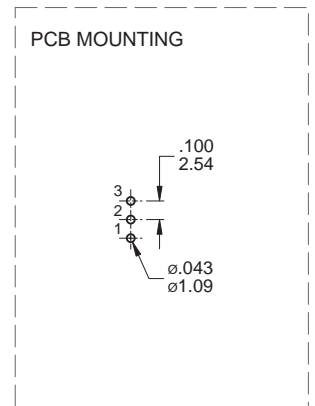
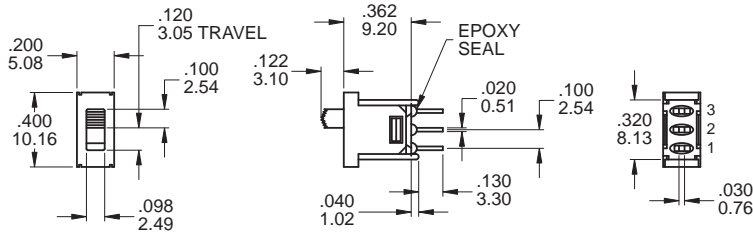


5F  
Slide Switches

## ▼ SWITCH FUNCTION

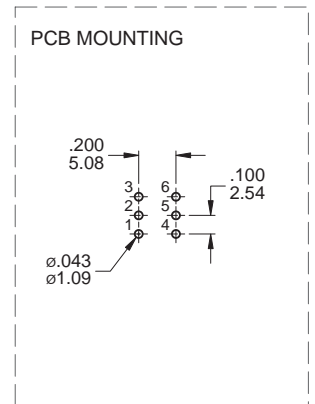
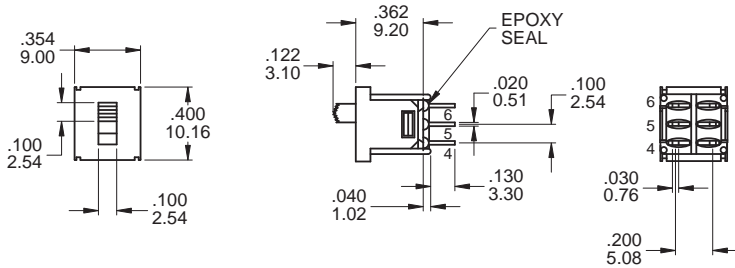
NO. POLES	UL/CSA MODEL NO.	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
			POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	Q2511	5FS1	ON	NONE	ON	2-1	N/A	2-3
	Q2513	5FS3	ON	OFF	ON	2 (COMM) 1 • 3	OPEN	2 (COMM) 1 • 3
DP	Q2521	5FD1	ON	NONE	ON	2-1,5-4	N/A	2-3,5-6
	Q2523	5FD3	ON	OFF	ON	2 (COMM) 5 1 • 3 4 • 6	OPEN	2 (COMM) 5 1 • 3 4 • 6

## ▼ POLE OPTIONS



**SPDT**

Model name. 5FS1S102M2QES

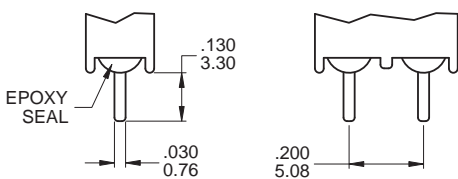


**DPDT**

Model name. 5FD1S102M2QES

## ▼ TERMINAL OPTIONS

**M2** PC Thru-hole

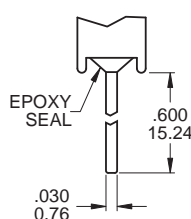


**SPDT**

**DPDT**

.020inch(0.51mm)THK

**M51** Wire wrap



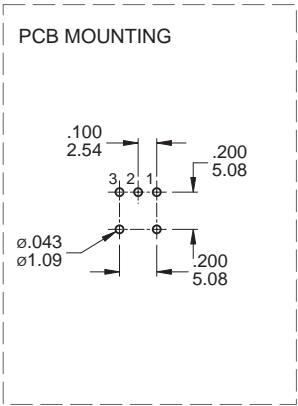
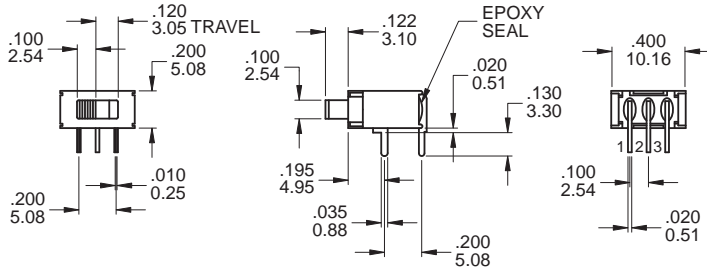
**SPDT**

.020inch(0.51mm)THK

**OTHER TERMINAL OPTIONS**

- M6** Right angle P.C. Mount
- M6N** Right angle P.C. Mount Snap-in bracket
- M7N** Vertical right angle P.C. Mount Snap-in bracket

**M6**  
(M6N - Snap-in)

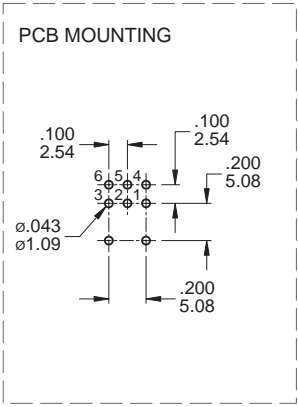
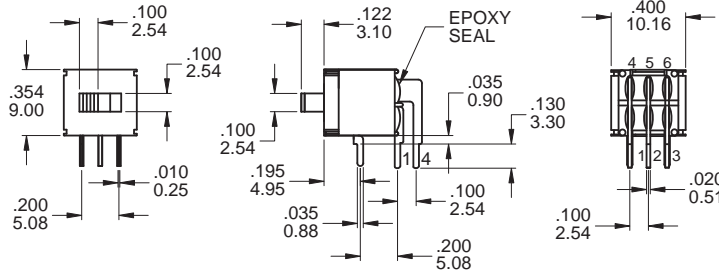
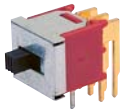


Note: Only available for SPDT

**SPDT**

Model name. 5FS1S102M6QES

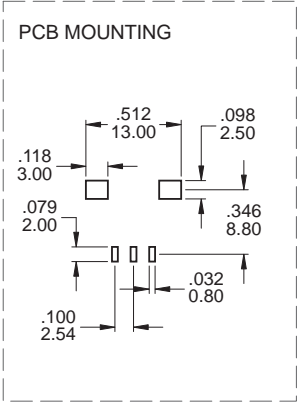
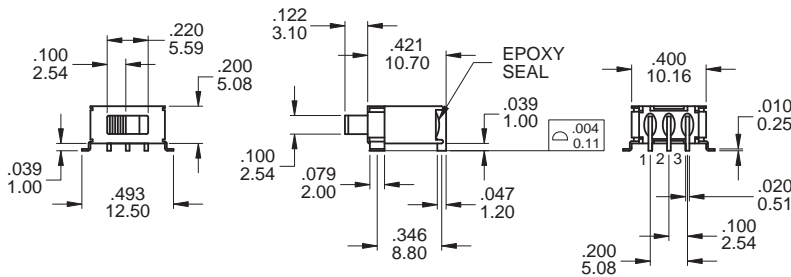
**M6**



**DPDT**

Model name. 5FD1S102M6RES

**MZ**

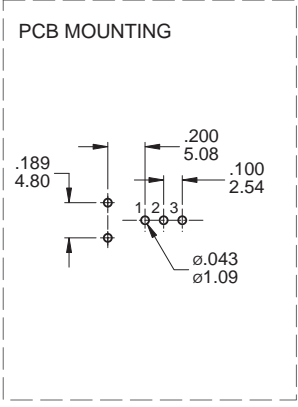
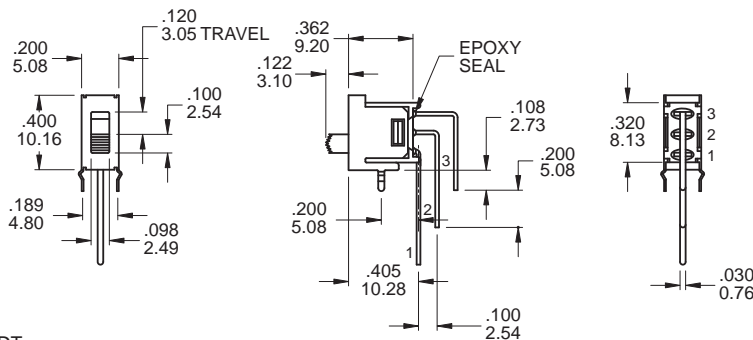


Note: Only available for SPDT

**SPDT**

Model name. 5FS1S102MZRES

**M7N**  
(Snap-in)



Note: Only available for SPDT

**SPDT**

Model name. 5FS1S102M7NRES

