

SPECIFICATIONS

CONTACT RATING: Dependent upon contact material. See [Contact Plating & Ratings](#).

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

CONTACT RESISTANCE: 20 mΩmax. initial @ 2-4VDC
100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 MΩmin.

DIELECTRIC STRENGTH: 1,000 Vrms min. @sea level.

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.

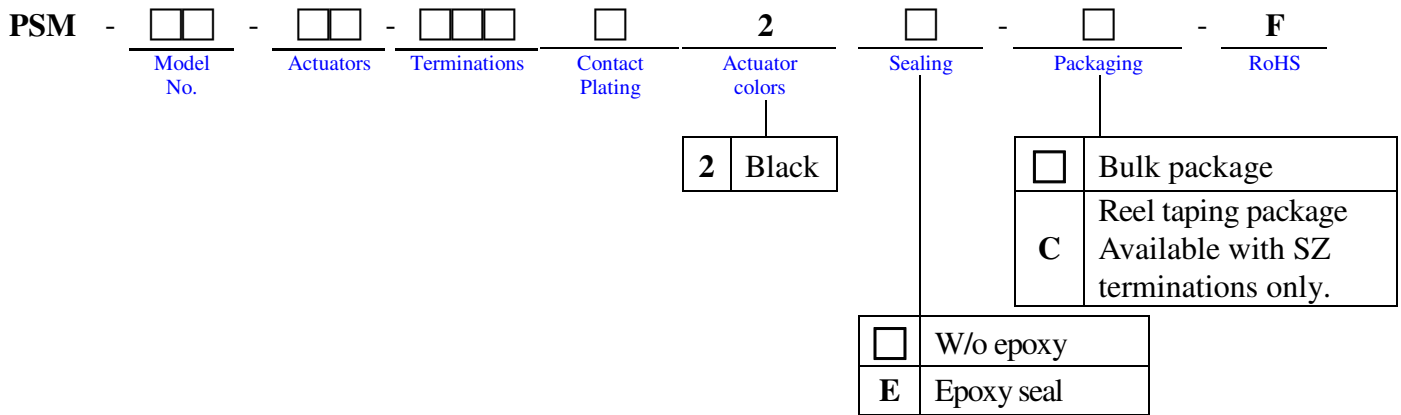
ACTUATOR: Nylon, black std.

CONTACT: Brass or copper alloy, with silver or gold plated.

TERMINALS: Copper alloy, with silver and gold plated. See [Contact Plating & Ratings](#).

models available, consult sales representatives.

PART NUMBERING SYSTEM

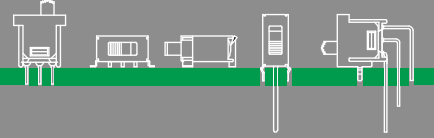


Model No./ Switching function ()= Momentary

Unit: Inch/ mm

SPDT				SPDT			
Model No.	Switching function			Model No.	Switching function		
S1	On	None	On	S3	On	Off	On
Connected terminals	2-1	N/A	2-3	Connected terminals	2-1	Open	2-3
Schematic	2 Comm. 		2 Comm. 	Schematic	2 Comm. 		2 Comm.

DPDT				DPDT			
Model No.	Switching function			Model No.	Switching function		
D1	On	None	On	D3	On	Off	On
Connected terminals	2-1,5-4	N/A	2-3,5-6	Connected terminals	2-1,5-4	Open	2-3,5-6
Schematic	2 Comm. 5 		2 Comm. 5 	Schematic	2 Comm. 5 		2 Comm. 5



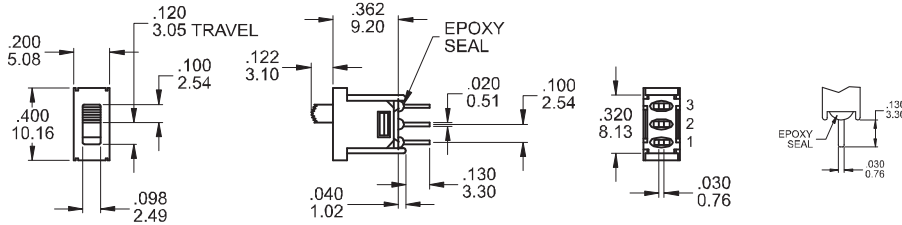
Terminations & Sealing

Unit: Inch/ mm

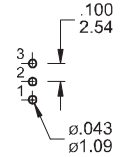
M2 PC Thru-hole

Part No. Shown: PSM-S□-S1-M2□2E-F

SPDT

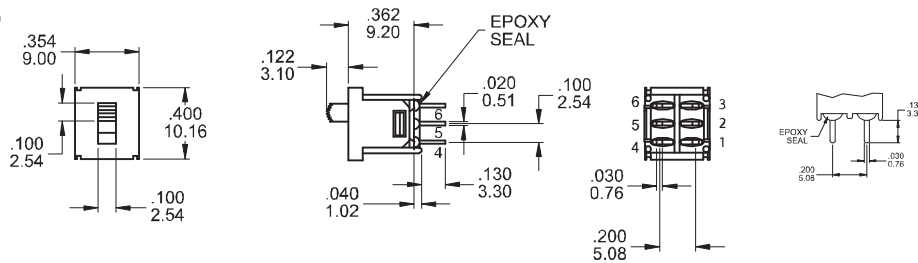


P. C. B. Layout

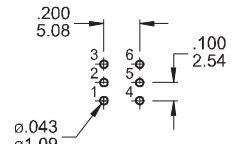


Part No. Shown: PSM-D□-S1-M2□2E-F

DPDT



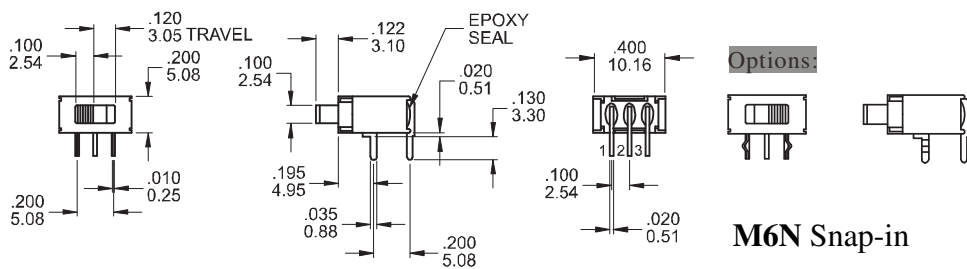
P. C. B. Layout



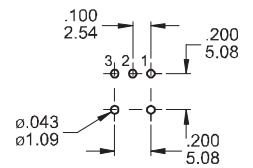
M6 Right angle P.C. Mount

Part No. Shown: PSM-S□-S1-M6□□2E-F

SPDT

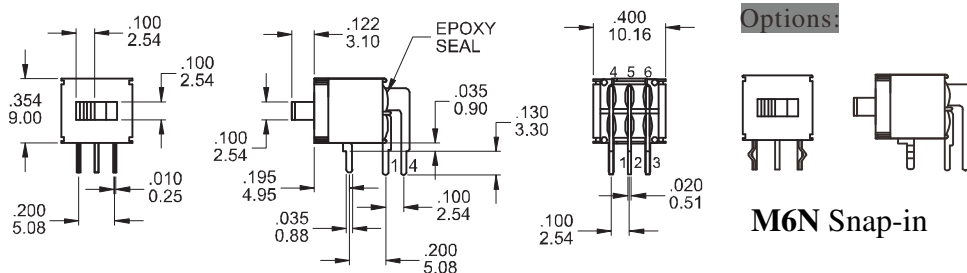


P. C. B. Layout

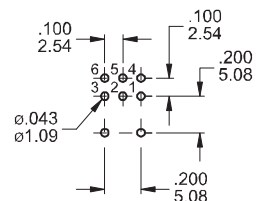


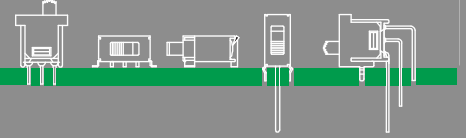
Part No. Shown: PSM-D□-S1-M6□□2E-F

DPDT



P. C. B. Layout





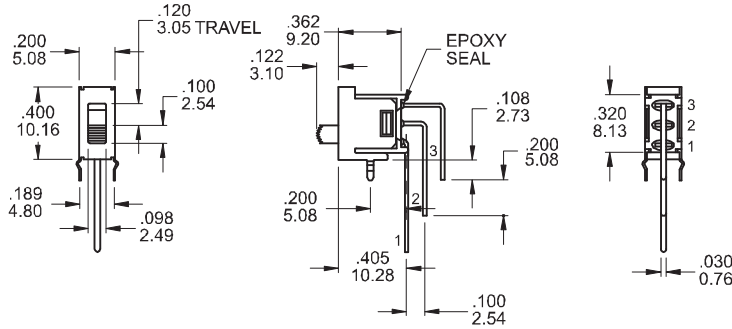
Terminations & Sealing

Unit: Inch/ mm

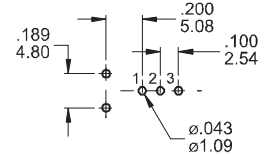
M7N Vertical right angle P.C. Mount

Part No. Shown: PSM-S□-S1-M7N□2E-F

SPDT



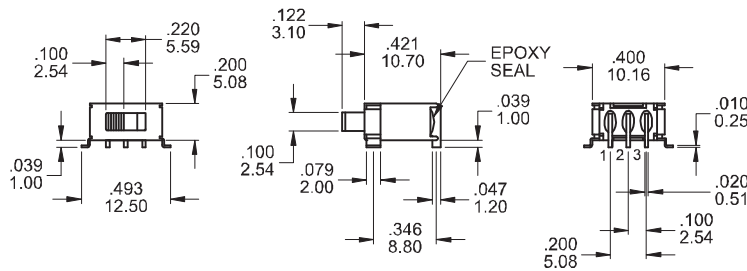
P. C. B. Layout



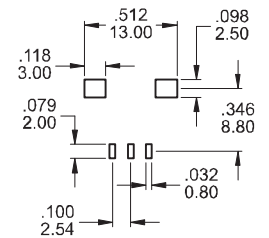
SZ Surface Mount

Part No. Shown: PSM-S□-S1-SZ□2E-□-F

SPDT



P. C. B. Layout



Contact Plating & Ratings

Option code	Contact plating	Terminal plating	Ratings
G	Gold	Gold	0.4 Volt-Amps (VA) max. @ 20V max. (AC or DC)
S	Silver	Silver	3 Amps with resistant load @ 120VAC or 28VDC
A	Gold over silver	Gold over silver	1 Amps with resistant load @ 250VAC

SOLDERING PROCESSES

Manual soldering: Use soldering iron of 30 watts, controlled at 350°C approximately 5 seconds while applying solder.

Wave soldering: Recommended soldering temperature: 270 ± 5°C.

Duration of solder immersion: Max 5 sec. (PCB is 1.6mm in thickness).