# **Sub-Miniature Slide Switches**







## **Specifications:**

Maximum contact rating : 0.4 VA at 48 V ac or dc Minimum mechanical life : 40,000 operations

Maximum contact resistance :  $50 \text{ m}\Omega$ 

Insulation resistance : 500  $M\Omega$  at 250 V dc

Dielectric strength : 500 V, 50 Hz for the duration of 1 minute

Operating temperature : -20°C to 80°C

Degree of protection : IP67

#### Materials:

Actuator : PBT, yellow std

Housing : SPCC

Case : PBT, washable Switch support : Brass, tin plated

Contact / terminals : Phosphor bronze gold-plated over nickel barrier

Terminal seal : Epoxy

### **Switch Function**

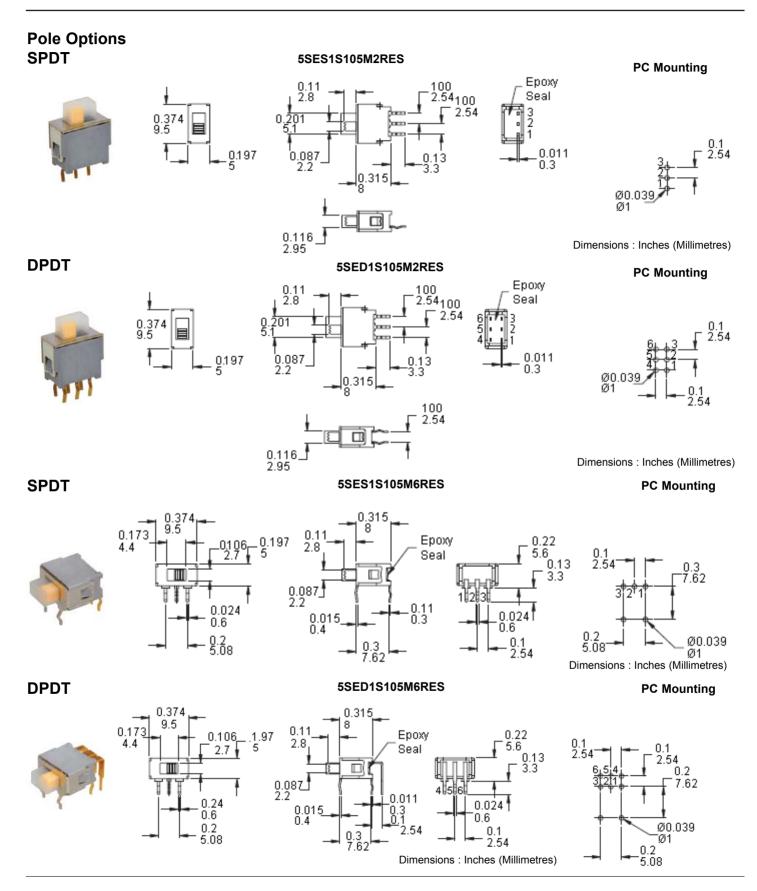
Number of Poles	Model Number	Switch Function			Connected Terminals / Schematic		
		Position 1	Position 2	Position 3	Position 1	Position 2	Position 3
SP	5SES1	ON	NONE	ON	2-1 	N/A	2-3 
	5SES3	ON	OFF	ON		Open	
DP	5SED1	ON	NONE	ON	2-1, 5-4	N/A	2-3, 5-6
	5SED3	ON	OFF	ON	1 2 (Comm) 5 1 6	Open	2 (Comm) 5° 1 •3 4 •6

MOM = Momentary



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### **Soldering Process:**

Wave soldering : Recommended soldering temperature : 260 ±5°C

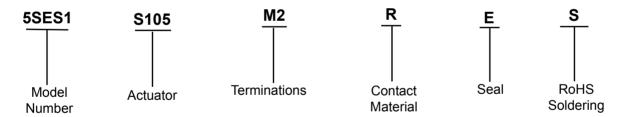
: Duration of solder immersion : Maximum 5 seconds (PCB is 1.6 mm in thickness)

Soldering: Vapour phase

### **Part Number Table**

Description	Part Number	
Switch, IP67, SPDT, ON-NON-ON, PCB	5SES1S105M2RES	
Switch, IP67, SPDT, ON-NON-ON, PCB Right / Angle	5SES1S105M6RES	
Switch, IP67, SPDT, ON-OFF-ON, PCB	5SES3S105M2RES	
Switch, IP67, SPDT, ON-OFF-ON, PCB Right / Angle	5SES3S105M6RES	
Switch, IP67, DPDT, ON-NON-ON, PCB	5SED1S105M2RES	
Switch, IP67, DPDT, ON-NON-ON, PCB Right / Angle	5SED1S105M6RES	
Switch, IP67, DPDT, ON-OFF-ON, PCB	5SED3S105M2RES	
Switch, IP67, DPDT, ON-OFF-ON, PCB Right / Angle	5SED3S105M6RES	

### **Part Number Explanation:**



Model Number : 5SES1 = SP On-None-On, 5SES3 = SP On-Off -On, 5SED1= DP On-None-On and 5SED3 = DP

On-Off-On

Actuator : S105 = 2.8 height

**Terminations** : M2 = PC thru-hole and M6 = Right angle, PC thru-hole

Contact Material : R = Gold

Seal : E = Epoxy (std)

RoHS Soldering : S = RoHS and Lead Free

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