

## SPECIFICATIONS

**CONTACT RATING:** Max 0.4 VA max @ 48 VAC or DC

**MECHANICAL LIFE:** minimum 40,000 operations.

**CONTACT RESISTANCE:** 50 mΩ max.

**INSULATION RESISTANCE:** 500 MΩ at 250 VDC.

**DIELECTRIC STRENGTH:** 500V, 50 Hz for the duration of 1 minute.

**OPERATING TEMPERATURE:** -20°C to 80°C.

**DEGREE OF PROTECTON:** IP67

## MATERIALS

**ACTUATOR:** PBT,yellow std.

**HOUSING/SWITCH SUPPORT:** Brass, Ni plated.

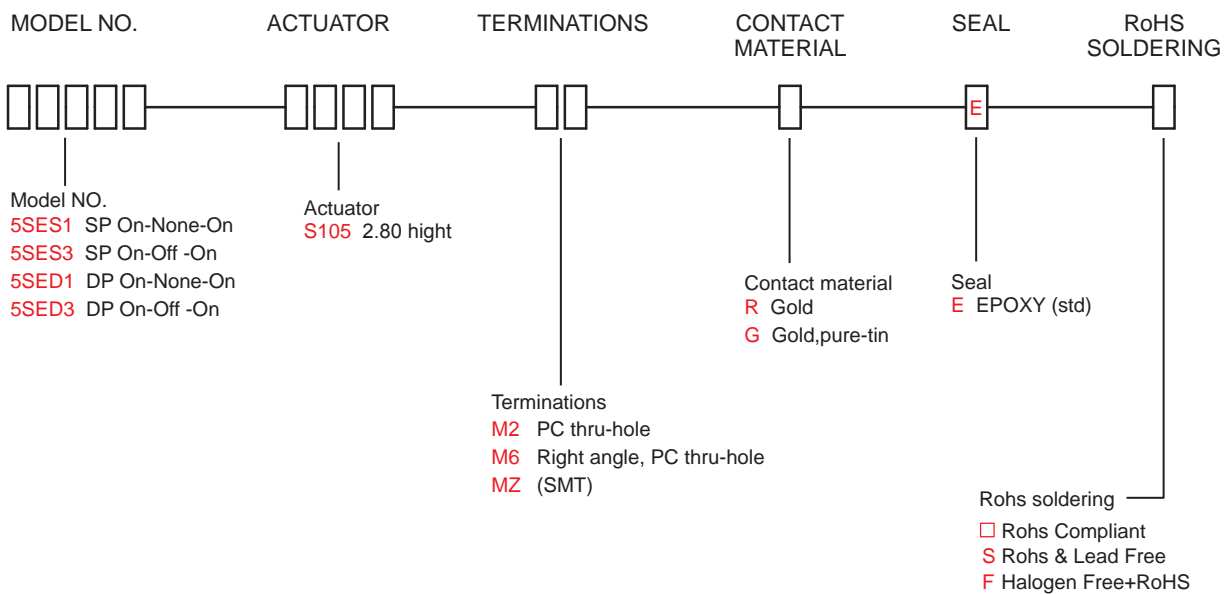
**CASE:** Glass filled nylon 6/6, flame retardant,heat stablized (UL94v-0)

**CONTACT/TERMINALS:** Phosphor bronze gold - plated over nickel barrier.

**TERMINAL SEAL:** Epoxy



## HOW TO ORDER



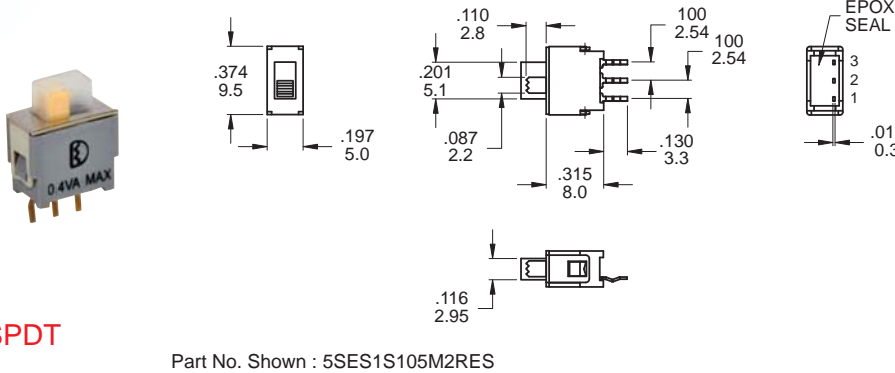
## SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
SP	5SES1	ON	NONE	ON	2-1	N/A	2-3
	5SES3	ON	OFF	ON	2 (COMM) 1-3	OPEN	2 (COMM) 1-3
DP	5SED1	ON	NONE	ON	2-1,5-4	N/A	2-3,5-6
	5SED3	ON	OFF	ON	2 (COMM) 1-3 5-6	OPEN	2 (COMM) 1-3 4-6

MOM=MOMENTARY

## POLE OPTIONS

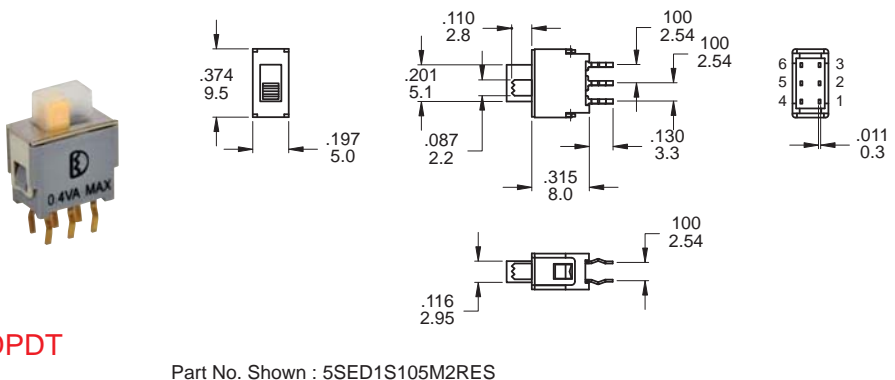
### M2



Technical drawings for M2 SPDT switch showing dimensions: .374 (9.5), .197 (5.0), .110 (2.8), .201 (5.1), .087 (2.2), .315 (8.0), .130 (3.3), .100 (2.54), .100 (2.54), .011 (0.3), .116 (2.95). Includes P.C. MOUNTING diagram with dimensions: .100 (2.54), .039 (1.0).

Part No. Shown : 5SES1S105M2RES

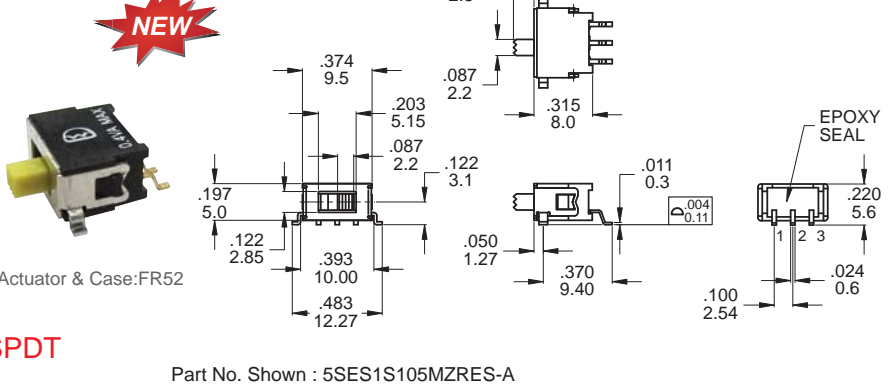
### M2



Technical drawings for M2 DPDT switch showing dimensions: .374 (9.5), .197 (5.0), .110 (2.8), .201 (5.1), .087 (2.2), .315 (8.0), .130 (3.3), .100 (2.54), .100 (2.54), .011 (0.3), .116 (2.95). Includes P.C. MOUNTING diagram with dimensions: .100 (2.54), .039 (1.0).

Part No. Shown : 5SED1S105M2RES

### MZ

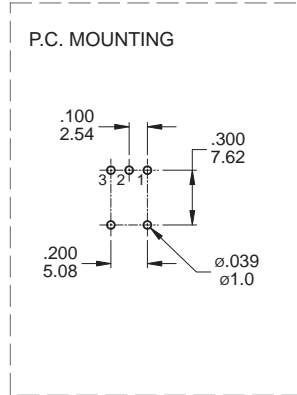
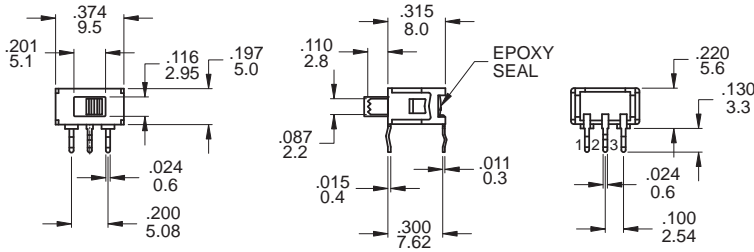


Technical drawings for MZ SPDT switch showing dimensions: .374 (9.5), .203 (5.15), .087 (2.2), .122 (3.1), .110 (2.8), .011 (0.3), .004 (0.11), .220 (5.6), .197 (5.0), .122 (2.85), .393 (10.00), .483 (12.27), .050 (1.27), .370 (9.40), .100 (2.54), .024 (0.6). Includes P.C. MOUNTING diagram with dimensions: .082 (2.08), .100 (2.54 TYP.), .035 (0.89 TYP.), .520 (13.22), .332 (8.43), .060 (1.52 TYP.), .351 (8.92).

Actuator & Case:FR52

Part No. Shown : 5SES1S105MZRES-A

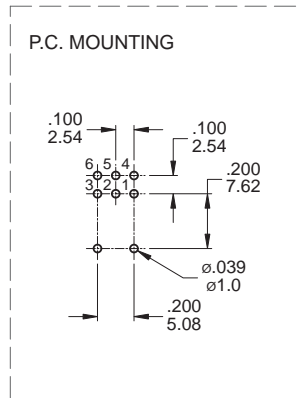
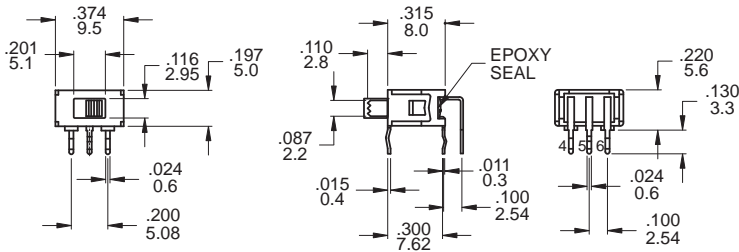
## M6



## SPDT

Part No. Shown : 5SES1S105M6RES

## M6



## DPDT

Part No. Shown : 5SED1S105M6RES

## SOLDERING PROCESSES

WAVE SOLDERING: Recommended Soldering Temperature:  $260 \pm 5^\circ\text{C}$

Duration of Solder Immersion: Max 5 sec. (PCB is 1.6mm in thickness)