

AYZ Slide Switch for SMT



- The AYZ is a slide switch for SMT (Surface Mounting Technology). With two switching positions it needs a space of only 3.5×7.2 (0.138×0.295). Its height of 1.5 mm (0.0591) is extremely low.
- 4 types are available
 - SPDT: single pole, single throw
 - DPDT: double pole, double throw
 - SP3T: single pole, three times throw
 - DP3T: double pole, three times throw
- It is delivered on reels of 4000 pieces
- The contact material is silver and the switching mode is non-shorting, the shorting mode is available on request.
- 2 actuating versions:
SPDT and SP3T: vertical lever
DPDT and DP3T: horizontal lever

Construction

Number of switching positions	2 or 3
Number of switching combinations	SPDT 1×2 ; DPDT 2×2 ; SP3T 1×3 ; DP3T 2×3
Mode of switching	Non-shorting (U)
Terminals	Gullwing type
Mounting	Soldering, SMT

Electrical data

Max. switching power	1.2 VA
Max. switching voltage	12 V DC
Max. switching current	100 mA
Dielectric strength at 50 Hz/1 Min.	0.1 kV
Operating life without electrical load	> 10 000 operations
Contact resistance	< 80 mΩ
Insulation resistance	< $10^8 \Omega$

Mechanical data

Operation torque	150 cN ± 100 cN
Travel	1.5 (0.0591)

Further data

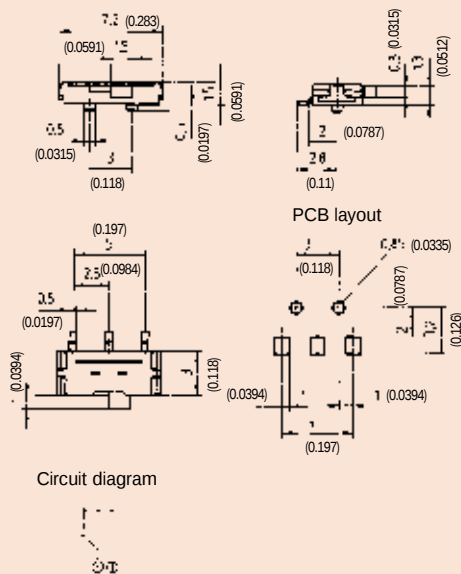
Contact material	Silver
Max. soldering time and temperature	Hand soldering at $230^\circ\text{C} \pm 5^\circ\text{C}$, $3 \text{ s} \pm 0.5 \text{ s}$
Reflow soldering	Preheating: $140^\circ\text{C} \pm 10^\circ\text{C}$, 3 minutes heating $230^\circ\text{C} \pm 5^\circ\text{C}$, $5 \text{ s} \pm 1 \text{ s}$
Operating temperature	– 10°C to $+60^\circ\text{C}$
Storage temperature	– 20°C to $+70^\circ\text{C}$

Ordering code: see next page.

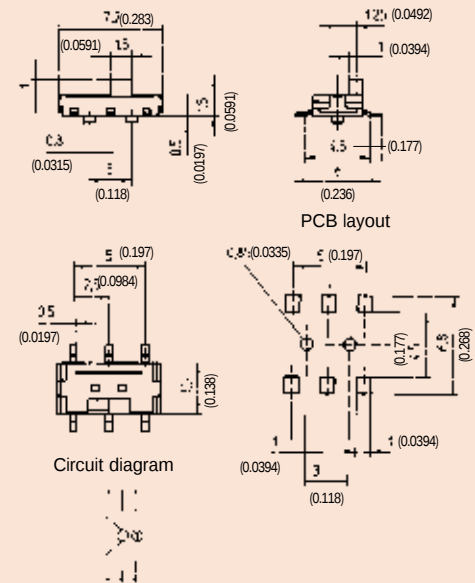
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Dimensional Drawings

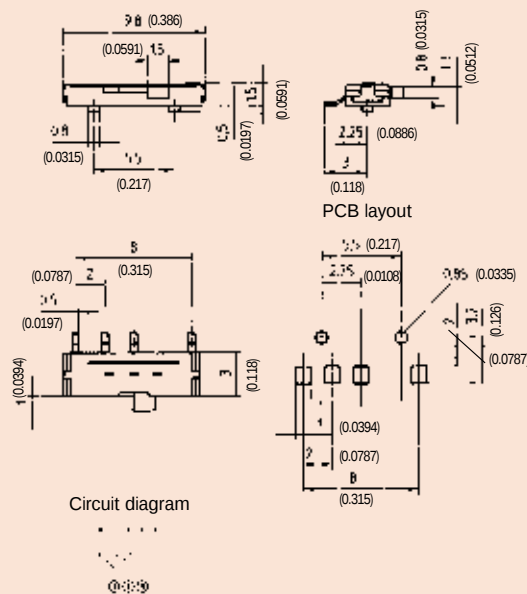
AYZ SPDT Single pole, 2 positions, vertical lever



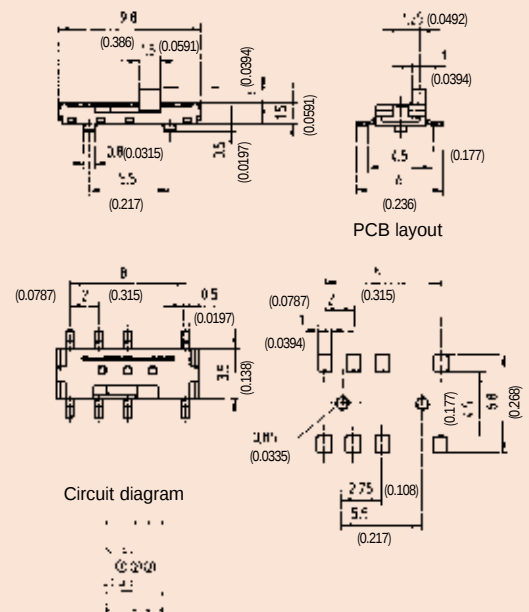
AYZ DPDT Double pole, 2 positions, horizontal lever



AYZ SP3T Single pole, 3 positions, vertical lever



AYZ DP3T Double pole, 3 positions, horizontal lever



Ordering code		1	2	3	4
Example:		AYZ	0103	AG	RL
1	Designation: AYZ				
2	Switching combinations: 0102 = SPDT, 0202 = DPDT, 0103 = SP3T, 0203 = DP3T				
3	Contact material: AG = Silver				
4	Packaging: RL = Reel				