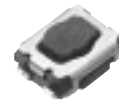


3.5 mm×2.9 mm SMD Light Touch Switches

Type: **EVPAA**



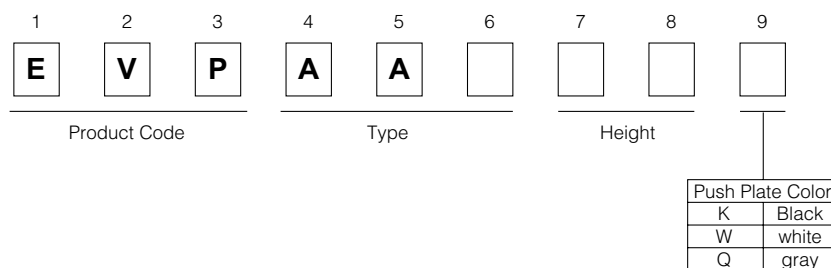
■ Features

- External dimensions : 3.5 mm×2.9 mm, Height 1.7 mm
- High operating force available
(Operating force : 5.0 N max.)
- Optional ground terminal

■ Recommended Applications

- Operation switches for portable electronic equipment
(Mobile phones, Digital still cameras, etc.)
- Operating switches for keyless entry systems

■ Explanation of Part Numbers



■ Specifications

Type		Snap action/Push-on type SPST
Electrical	Rating	10 μ A 2 Vdc to 20 mA 15 Vdc (Resistive load)
	Contact Resistance	100 m Ω max.
	Insulation Resistance	100 M Ω min. (at 100 Vdc)
	Dielectric Withstanding Voltage	250 Vac for 1 minute
	Bouncing	10 ms max. (ON, OFF)
Mechanical	Operating Force	1.0 N, 1.6 N, 2.4 N, 3.5 N, 5.0 N
	Travel	0.15 mm \pm 0.1 mm
Endurance	Operating Life	1000000 cycles min. (1.0 N) 200000 cycles min. (1.6 N, 2.4 N, 3.5 N) 100000 cycles min. (5.0 N)
Operating Temperature		-40 °C to +85 °C
Storage Temperature		-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)
Minimum Quantity/Packing Unit		5000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton		25000 pcs.

Note: Non washable

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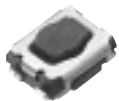
■ Dimensions in mm (not to scale)

EVPAA

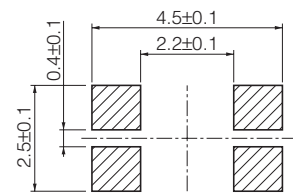
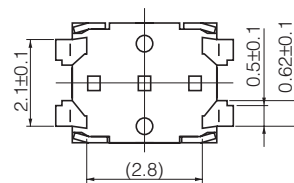
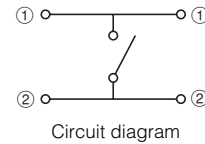
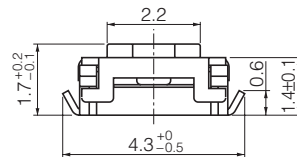
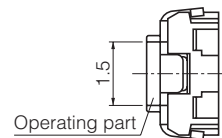
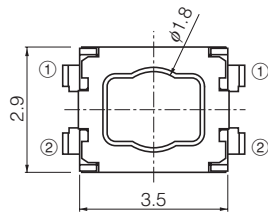
(Embossed Taping)

Thickness : 1.7 mm

With J-bent terminals



(Tolerance ± 0.2)

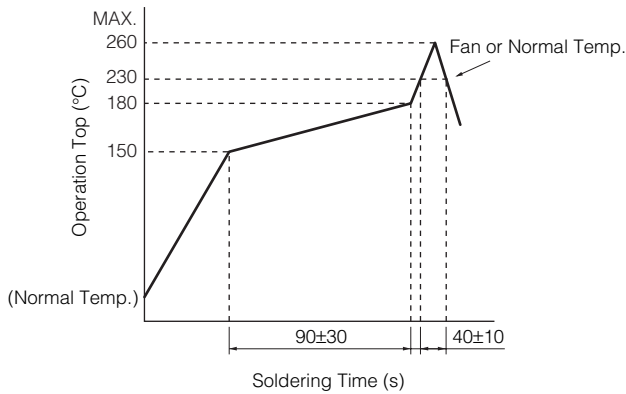


PWB land pattern for reference

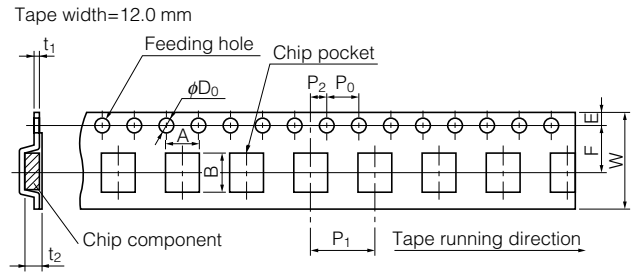
Part Numbers	Ground Terminal	Operating Force	Push Plate Color	Operating Life
EVPAA002K	Without	1.0 N	Black	1000000 cycles
EVPAA102K	With	1.0 N	Black	1000000 cycles
EVPAA202K	Without	1.6 N	Black	200000 cycles
EVPAA302K	With	1.6 N	Black	200000 cycles
EVPAA402W	Without	2.4 N	White	200000 cycles
EVPAA502W	With	2.4 N	White	200000 cycles
EVPAA602W	Without	3.5 N	White	200000 cycles
EVPAA702W	With	3.5 N	White	200000 cycles
EVPAA802Q	Without	5.0 N	Grey	100000 cycles
EVPAA902Q	With	5.0 N	Grey	100000 cycles

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Recommended Reflow Soldering Conditions



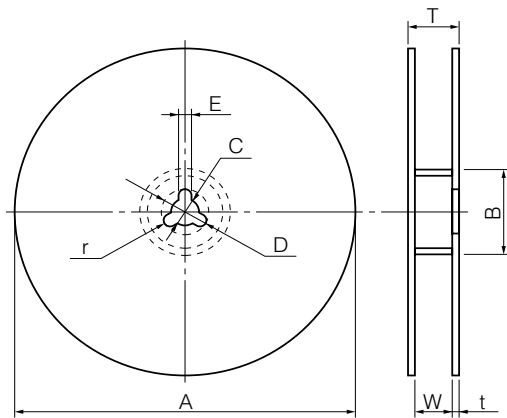
Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P1	P2	P0	D0 Dia	t1	t2
EVPAA	1.7	4.5±0.2	3.8±0.2	12.0±0.3	5.5±0.1	1.75±0.10	8.0±0.1	2.0±0.1	4.0±0.1	1.5 ^{+0.1} ₋₀	0.3±0.1	1.85±0.20

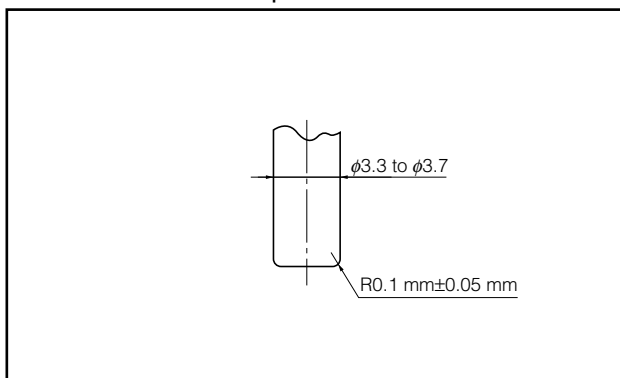
Standard Reel Dimensions in mm (not to scale)



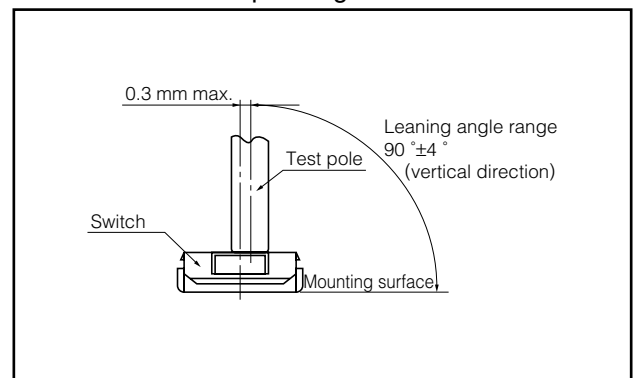
Item	A	B	C	D	E
Rate (mm)	$\phi 380.0 \pm 2.0$	$\phi 80.0 \pm 1.0$	$\phi 13.0 \pm 0.5$	$\phi 21.0 \pm 1.0$	2.0±0.5

Item	W	T	t	r
Rate (mm)	13.5±1.0	17.5±1.0	—	—

Recommended Shape of Test Pole



Recommended Operating Conditions



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