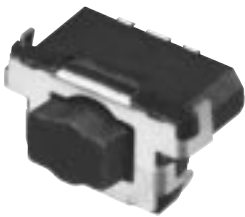


Double-action Side-Push Type
Light Touch Switches

Japan

Type: **EVQQ0**



Long-life double-action side-push switch with low profile saving space due to the edge mounting feature

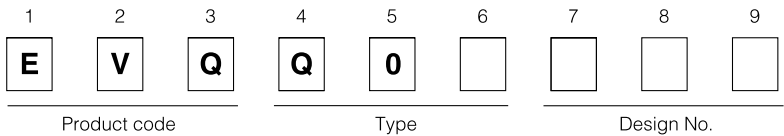
■ Features

- Industry's first two-stage lateral pushing type has been realized
- Small, low-profile and space saving
Projection area: 23.25 mm², Printed circuit board being as low as 1.35 mm
- Long life: Operation Life 500000 cycle min.

■ Recommended Applications

- Menu-scroll and enter functions for Cellular Phone, etc.
- Shutter switches for Still Cameras, Video Cameras

■ Explanation of Part Numbers

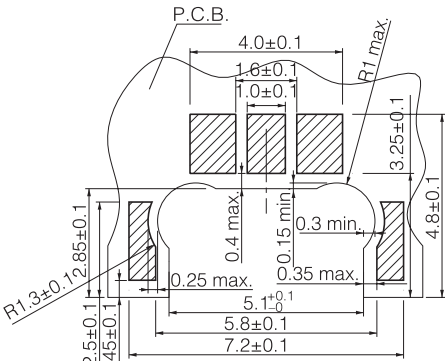
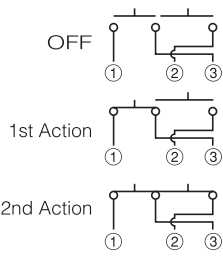
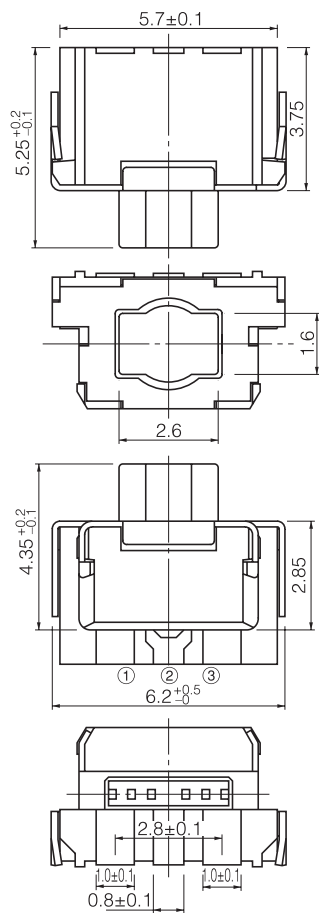


■ Major Specifications

Type		Snap action/Push-on type SPDT
Electrical	Circuit Diagram	OFF 1st Action 2nd Action
	Rating	20 mA 15 Vdc
	Contact Resistance	100 mΩ max.
	Insulation Resistance	100 MΩ min. (at 100 Vdc)
	Dielectric Withstanding Voltage	100 Vac for 1 minute
	Bouncing	ON:5 ms max., OFF:20 ms max.
Mechanical	Operating Force (1 st Action)	1.0 N
	Operating Force (2 nd Action)	2.6 N
	Travel (1 st Action)	0.4 mm
	Travel (2 nd Action)	0.6 mm
	Push Strength	20 N for 1 minute
Endurance	Operating Life	1 st Action without click : 500000 cycles min. 1 st Action with click : 30000 cycles min.
	Operating Temperature	−20 °C to +70 °C
	Storage Temperature	−40 °C to +85 °C
Minimum Quantity/Packing Unit		2500 pcs. (Reel Pack)
Quantity/Carton		12500 pcs.

■ Dimensions in mm (not to scale)

EVQQ0A03K
(Embossed Taping)



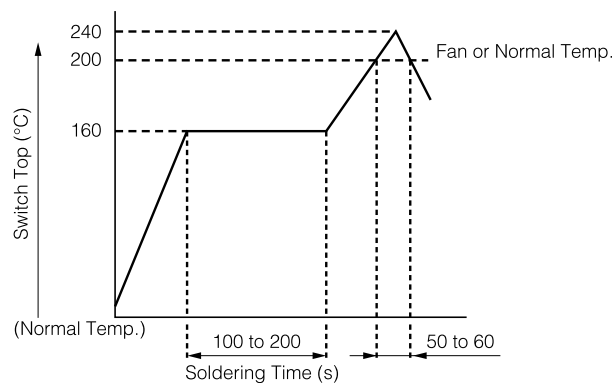
Recommended land pattern

Note : Please pwt your consideration not to let any burrs of printed wiring board stick out from the mounting surface of our switches.

Part Numbers	Operating Force	Height	Operating Life
EVQQ0A03K	1 st Action/1.0 N (Without click) 2 nd Action/2.6 N	1.35 mm	500000 cycles

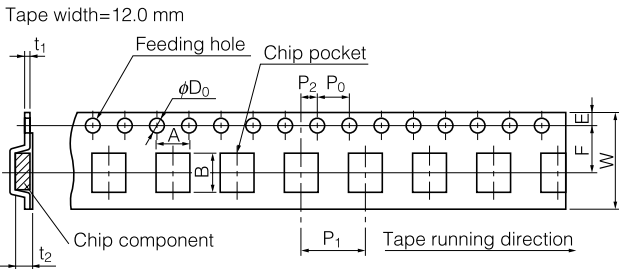
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

Recommended Reflow Soldering Conditions



Recommended Reflow Temperature Profile

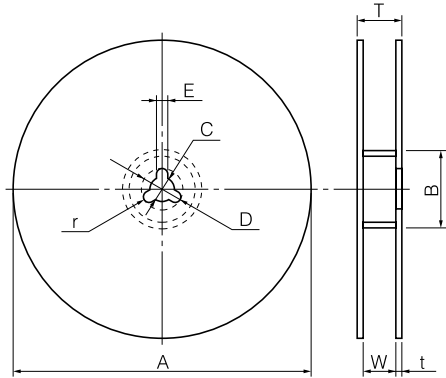
Embossed Carrier Taping



Unit: mm

Part No.	Height	A	B	W	F	E	P_1	P_2	P_0	D_0 Dia.	t_1	t_2
EVQQ0	3.5	6.6 ± 0.2	5.7 ± 0.2	12.0 ± 0.3	5.5 ± 0.1	1.75 ± 0.1	8.0 ± 0.1	2.0 ± 0.1	4.0 ± 0.1	$1.5^{+0.3}_0$	0.4 ± 0.1	3.8 ± 0.2

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	1.0 to 3.0	1.0 ± 0.5