



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Double-action Light Touch Switches

Japan

Type: **EVQPW**

■ Features

- Compact and super thin profile:
6.2 mm × 6.25 mm × 1.5 mm (H)
- Clear click operational feel in both the 1st push and 2nd push
- Dustproof, SMD application
- Positioning boss type available for manual soldering

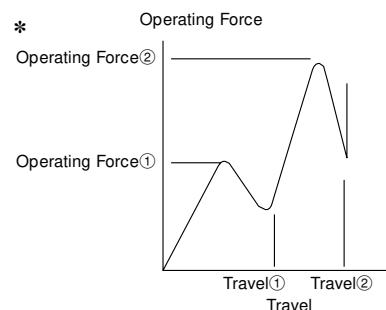


■ Recommended Applications

- Shutter switches for still cameras
- Scroll and search switches for cellular telephones or camcorders
- Keyless entry systems

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9
E	V	Q	P	W		A	1	5
4th & 5th		Type		6th		Terminal Shape	Boss	7th, 8th, 9th
PW		Double-action		A		Straight	with	A15
						B	J-bent	without
						Mounting Height		1.5 mm



■ Product Chart

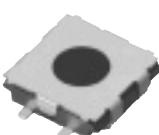
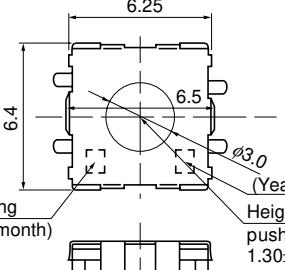
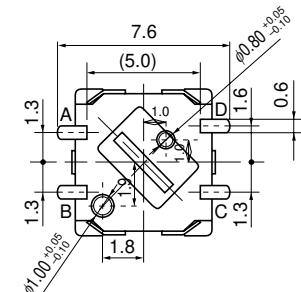
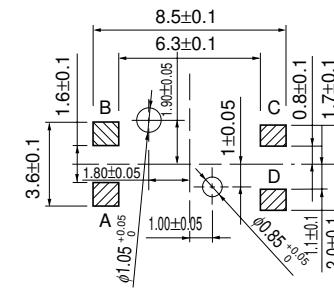
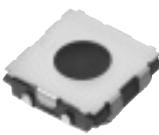
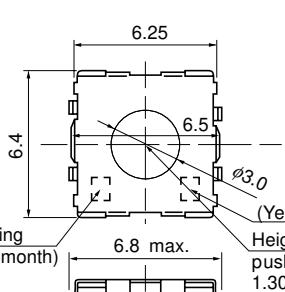
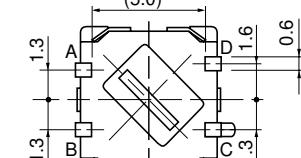
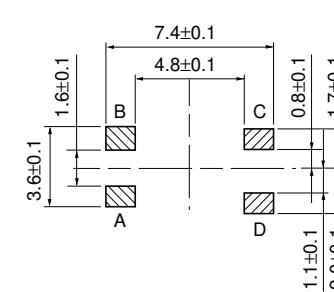
Part No.	Terminal Shape	Positioning Boss	Package Style
EVQPWA	Straight	with	Bulk
EVQPWB	J-bent	without	Embossed taping

■ Specifications

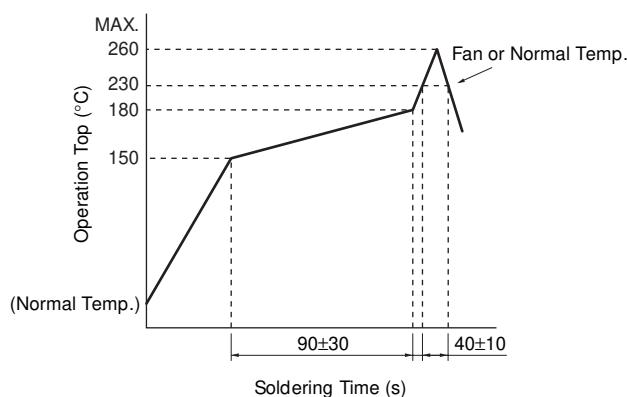
Type	Snap action/Push-on type SPDT	
	Circuit Diagram	
Electrical	Rating	20 mA 15 Vdc max. (Resistive load)
	Contact Resistance	100 mΩ max.
	Insulation Resistance	50 MΩ min. (at 100 Vdc)
	Dielectric Withstanding Voltage	100 Vac for 1 minute
	Bouncing	20 ms max. (ON, OFF)
Mechanical	Operating Force ①*	1.0 N ± 0.5 N
	Operating Force ②*	2.6 N ^{+0.7} _{-0.5} N
	Travel ①*	0.5 mm ^{+0.1} _{-0.2} mm
	Travel ②*	0.7 mm ^{+0.1} _{-0.2} mm
Endurance	Operating Life	30000 cycles min.
	Operating Temperature	-20 °C to +70 °C (45 % to 85 % RH)
	Storage Temperature	-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)
Minimum Quantity/ Packing Unit	EVQPWA	1000 pcs. Polyethylene Bag (Bulk)
	EVQPWB	5000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton	EVQPWA	10000 pcs.
	EVQPWB	25000 pcs.

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.

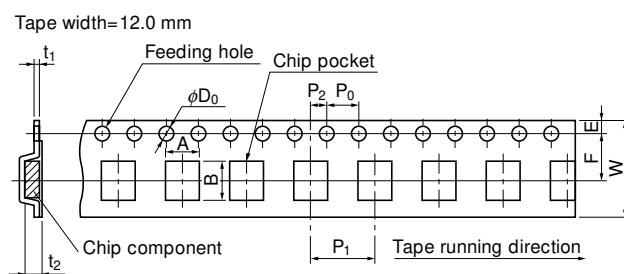
■ Dimensions in mm (not to scale)

No. 1	<p>EVQPWA (Bulk) Straight terminals</p>  <p>Manufacturing date code (month)</p> <p>Height of center pushing part from bottom 1.30 ± 0.15</p>   <p>OFF C A B D Dummy</p> <p>1st Action C A B D Dummy</p> <p>2nd Action C A B D Dummy</p> <p>Recommended land pattern (View from mounting side)</p> 
Part Numbers	<p>Operating Force</p> <p>Height</p> <p>Operating Life</p>
EVQPWA15	<p>1 st Action/1.0 N 2 nd Action/2.6 N</p> <p>1.5 mm</p> <p>30000 cycles</p>
No. 2	<p>EVQPWB (Embossed Taping) J-bent terminals</p>  <p>Manufacturing date code (month)</p> <p>Height of center pushing part from bottom 1.30 ± 0.15</p>   <p>OFF C A B D Dummy</p> <p>1st Action C A B D Dummy</p> <p>2nd Action C A B D Dummy</p> <p>Recommended land pattern (View from mounting side)</p> 
Part Numbers	<p>Operating Force</p> <p>Height</p> <p>Operating Life</p>
EVQPWBA15	<p>1 st Action/1.0 N 2 nd Action/2.6 N</p> <p>1.5 mm</p> <p>30000 cycles</p>

■ Recommended Reflow Soldering Conditions

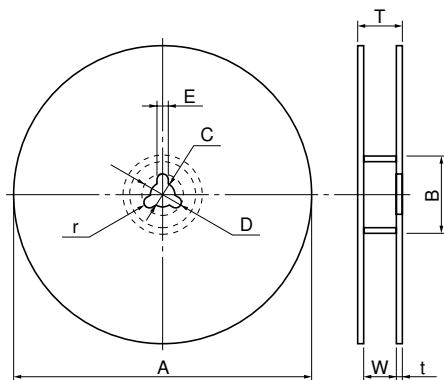


● Embossed Carrier Taping



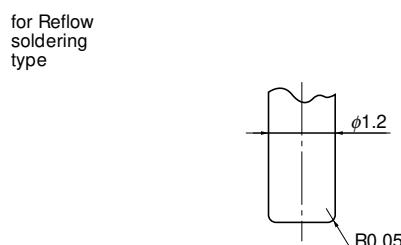
Unit: mm												
Part No.	Height	A	B	W	F	E	P_1	P_2	P_0	D_0 Dia.	t_1	t_2
EVQPW	1.5	6.4±0.3	6.5±0.3	12.0±0.3	5.50±0.15	1.75±0.15	8.00±0.15	2.00±0.15	4.00±0.15	1.5±0.1	0.30±0.05	1.60±0.05

● Standard Reel Dimensions in mm (not to scale)



Item	A	B	C	D	E
Rate (mm)	$\phi 370.0 \pm 2.0$	$\phi 50.0$ min.	$\phi 13.0 \pm 0.5$	$\phi 21.0 \pm 1.0$	2.0 ± 0.5
Item	W	T	t	r	
Rate (mm)	14.0 ± 1.5	—	1.0 to 3.0	1.0 ± 0.5	

■ Recommended Shape of Test Pole



■ Recommended Operating Conditions

