

## 6.0 mm×3.5 mm Light Touch Switches

Type: **EVQPE**



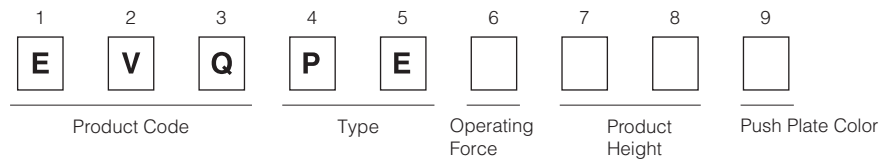
### ■ Features

- External dimensions : 6.0 mm×3.5 mm, Height 4.3 mm, 5.0 mm
- Wave soldering available

### ■ Recommended Applications

- Operating switches for other electronic equipment

### ■ Explanation of Part Numbers


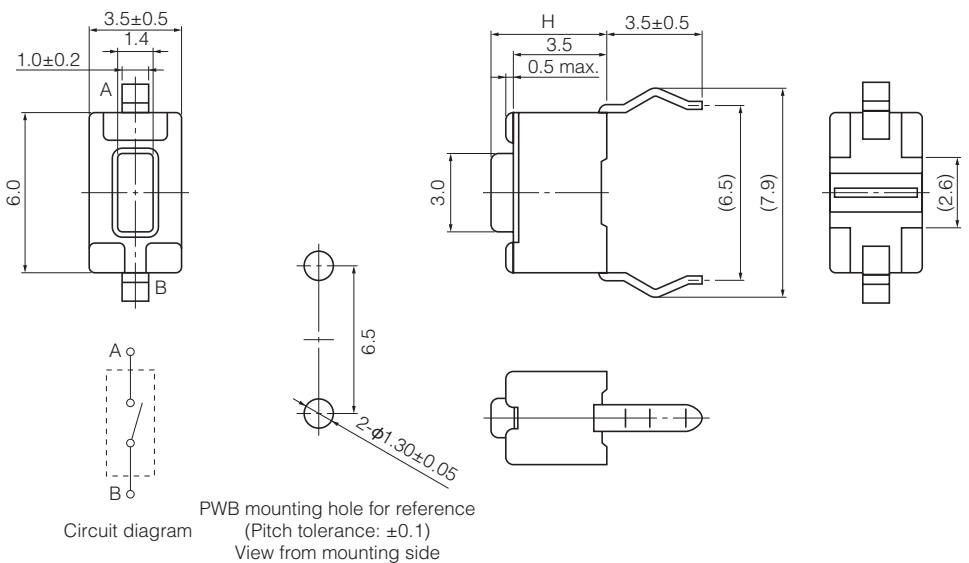


### ■ Specifications

Type	Snap action/Push-on type SPST				
Electrical	Circuit Diagram				
	Rating	10 μA 2 V DC to 50 mA 12 V DC (Resistive load)			
	Contact Resistance	100 mΩ max.			
	Insulation Resistance	100 MΩ min. (at 100 V DC)			
	Dielectric Withstanding Voltage	250 V AC for 1 minute			
Mechanical	Bouncing	10 ms max. (ON, OFF)			
	Operating Force	<table border="1"> <tr> <td>1.0 N±0.5N (Low force type)</td> <td>2.4 N±0.6 N</td> </tr> <tr> <td>1.6 N±0.5 N (Standard)</td> <td></td> </tr> </table>	1.0 N±0.5N (Low force type)	2.4 N±0.6 N	1.6 N±0.5 N (Standard)
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Endurance	Travel	0.25 mm <sup>+0.20</sup> / <sub>-0.10</sub> mm			
	Operating Life	<table border="1"> <tr> <td>50,000 cycles min.</td> <td>30,000 cycles min.</td> </tr> </table>	50,000 cycles min.	30,000 cycles min.	
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Operating Temperature		-30 °C to +85 °C			
Storage Temperature		-40 °C to +85 °C (Bulk)			
Minimum Quantity/Packing Unit		1,000 pcs. Polyethylene Bag (Bulk)			
Quantity/Carton		10,000 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)

<p>EVQPE4 EVQPE5 EVQPE6</p> <p>(Bulk)</p> 	<p>General dimension tolerance : <math>\pm 0.3</math> ( ) dimensions are reference dimensions.</p>  <p>Circuit diagram</p> <p>PWB mounting hole for reference (Pitch tolerance: <math>\pm 0.1</math>) View from mounting side</p>																																						
<table border="1"> <thead> <tr> <th>Part Numbers</th> <th>Operating Force</th> <th>H=Height</th> <th>Push Plate Color</th> <th>Operating Life</th> </tr> </thead> <tbody> <tr> <td>EVQPE404Q</td> <td>1.0 N</td> <td>4.3 mm</td> <td>Grey</td> <td>50,000 cycles</td> </tr> <tr> <td>EVQPE405Q</td> <td>1.0 N</td> <td>5.0 mm</td> <td>Grey</td> <td>50,000 cycles</td> </tr> <tr> <td>EVQPE504K</td> <td>1.6 N</td> <td>4.3 mm</td> <td>Black</td> <td>50,000 cycles</td> </tr> <tr> <td>EVQPE505K</td> <td>1.6 N</td> <td>5.0 mm</td> <td>Black</td> <td>50,000 cycles</td> </tr> <tr> <td>EVQPE604T</td> <td>2.4 N</td> <td>4.3 mm</td> <td>Brown</td> <td>30,000 cycles</td> </tr> <tr> <td>EVQPE605T</td> <td>2.4 N</td> <td>5.0 mm</td> <td>Brown</td> <td>30,000 cycles</td> </tr> </tbody> </table>	Part Numbers	Operating Force	H=Height	Push Plate Color	Operating Life	EVQPE404Q	1.0 N	4.3 mm	Grey	50,000 cycles	EVQPE405Q	1.0 N	5.0 mm	Grey	50,000 cycles	EVQPE504K	1.6 N	4.3 mm	Black	50,000 cycles	EVQPE505K	1.6 N	5.0 mm	Black	50,000 cycles	EVQPE604T	2.4 N	4.3 mm	Brown	30,000 cycles	EVQPE605T	2.4 N	5.0 mm	Brown	30,000 cycles				
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