Panasonic

3.0 mm×2.0 mm SMD Light Touch Switches

Type: **EVPAW**



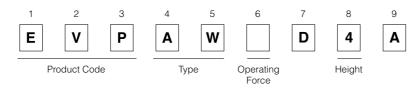
Features

- External dimensions : 3.0 mm× 2.0 mm, Height 0.6 mm
- High operability equipped with an actuator(push plate)
- IP67

Recommended Applications

• Operation switches for portable electronic equipments (Mobile phone, Portable audio)

Explanation of Part Numbers(Standard specification only)



Specifications

Туре		Snap action/Push-on type SPST						
	Rating	10 μA 2 V DC to 20 mA 15 V DC (Resistive load) 500 mΩ max.						
	Contact Resistance							
Electrical	Insulation Resistance	50 MΩ min. (at 100 V DC)						
	Dielectric Withstanding Voltage	250 V AC for 1 minute						
	Bouncing	10 ms max. (ON, OFF)						
Marahani aral	Operating Force	1.6 N, 2.4 N, 3.3 N						
Mechanical	Travel	1.6 N, 2.4 N : 0.13 mm 3.3 N : 0.15 mm						
Endurance	Operating Life	1.6 N, 2.4 N : 500,000 cycles min. 3.3 N : 300,000 cycles min.						
Protective Stru	ucture	IP67(*1) Water resistance : 4 types of talc 8 h, Water resistance : Immersion depth 1 m 30 min.						
Operating Terr	nperature	-40 °C to +85 °C						
Storage Tempe	erature	-40 °C to +85 °C (Bulk) -20 °C to +60 °C (Taping)						
Minimum Quar	ntity/Packing Unit	10,000 pcs. Embossed Taping (Reel Pack)						
Quantity/Carto	n	50,000 pcs.						

Note: Non washable

(*1) IP67 : Switch shall not be operated during test.

Water or dust ingress shall be limited enough to prevent deleterious effect to the switch function. However, IP67 shall be guaranteed under single product state, then there is a possibility that IP67 performance become impaired depending on your mounting condition or usage.

So, please ask us in advance, if the switch is applied to important usage for water and dust resistant.

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.

Panasonic

Dimensions in mm (not to scale)

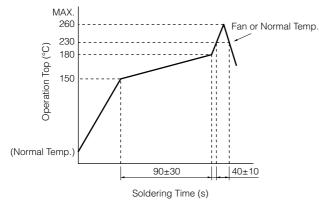
<text><text><text><image/></text></text></text>
 Besides, there should be convexed ave by designing additional pattern, it may cause swith tilt, influence on solder-ability or flux intrusion after reflow soldering. Therefore, please study any influence of additioan land pattern or via holes at XXX area in advance.
Part Numbers Operating Force Height Operating Life
EVPAWBD4A 1.6 N 0.6 mm 500,000 cycles
EVPAWCD4A 2.4 N 0.6 mm 500,000 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.

Panasonic Corporation Electromechanical Control Business Division industrial.panasonic.com/ac/e/

Panasonic

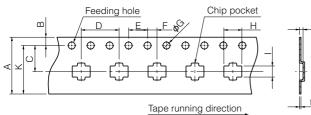
Recommended Reflow Soldering Conditions



Reflow temperature may vary by location even in the same reflow condition. Please check the reflow temperature at terminals and at the top of a switch to make sure the both temperatures are within the specification. If even one of them is out of the specifications, please adjust.

• Embossed Carrier Taping

Tape width=12.0 mm



 Taping condition : Lack of products in the middle of taping should be one MAX, but total quantity specified in the specifications should be secured.

 Peeling off strength of top tape : It should be within 0.2N to 1. ON at 165 degree in peeling off angle.

Joint of carrier tape : One joint per one reel may exist.

Unit: mm

													01111
Part No.	Height	A	В	С	D	E	F	G	Н		J	K	t
EVPAW	0.6	12.0±0.3	1.75±0.10	5.5±0.1	8.0±0.1	4.0±0.1	2.0±0.1	1.5±0.3	3.8±0.2	2.3±0.2	0.75±0.20	(10.25)	0.3 ^{+0.15} _{-0.10}

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.

Requests to customers

Please refer to "the latest product specifications" when designing your product. Requests to customers : https://industrial.panasonic.com/ac/e/salespolicies/

Safety Precautions

When using our products, no matter what sort of equipment they might be used for, be sure to confirm the applications and environmental conditions with our specifications in advance.

Please contact

Panasonic Corporation

Electromechanical Control Business Division 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8506, Japan industrial.panasonic.com/ac/e/



©Panasonic Corporation 2019

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Panasonic:

EVP-AWBD4A EVP-AWCD4A EVP-AWED4A