# Panasonic

**1VL** Detector Switches

Type: ESE13



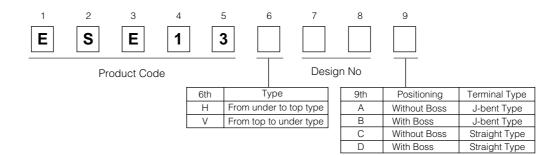
### Features

- Thin type : Height=1.2 mm
- Highly reliable contact
- SMD type (Embossed taping, Reflow soldering)

#### Recommended Applications

 Detection of media in portable electronic equipment (Mobile phones / Digital still cameras / Camcorders)

### Explanation of Part Numbers



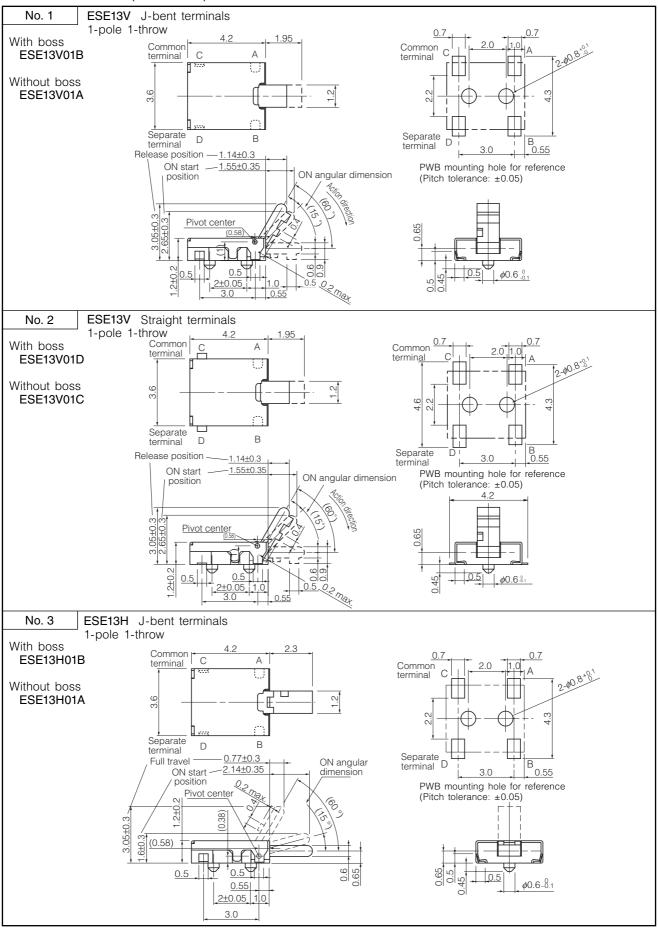
#### Specifications

Rating		50 µA 3 Vdc to 10 mA 5 Vdc (Resistive load)
Contact Resistance		500 m $\Omega$ max. (Initial)
Insulation Resistance		100 MΩ min. (100 Vdc)
Dielectric Withstanding Voltage		100 Vac for 1 minute
Operating Force		300 mN max.
Mounting Height		1.2 mm
Poles and Throws		1-pole 1-throw
Full Travel (Pushing distance)		Type V : 2.15 mm (2.15 mm) Type H : 3.05 mm (2.15 mm)
Operating Life		50000 cycles min.
Temperature Range		-10 °C to +60 °C
Heat Resistance		+70 °C for 96 hours
Low Temperature Resistance		–25 °C for 96 hours
Humidity Resistance		+40 °C 90 % to 95 % RH for 96 hours
Minimum Quantity/Packing Unit	ESE13H	5000 pcs. Embossed Taping (Reel Pack)
	ESE13V	3000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton	ESE13H	30000 pcs.
	ESE13V	18000 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.

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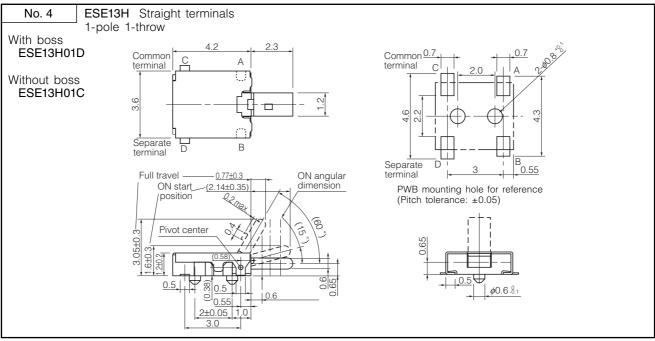
#### Dimensions in mm (not to scale)



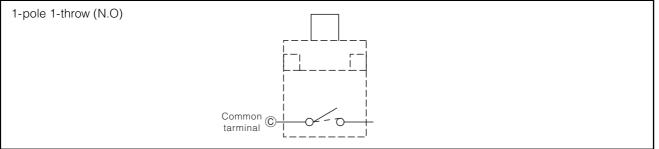
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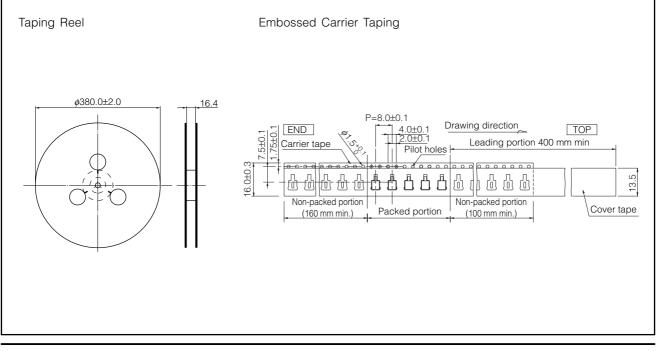
#### Dimensions in mm (not to scale)



#### Circuit Diagram



#### Packaging Specifications Standard Reel Dimensions in mm (not to scale)



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