

ESE13 Detector Switches

Type: **ESE13**



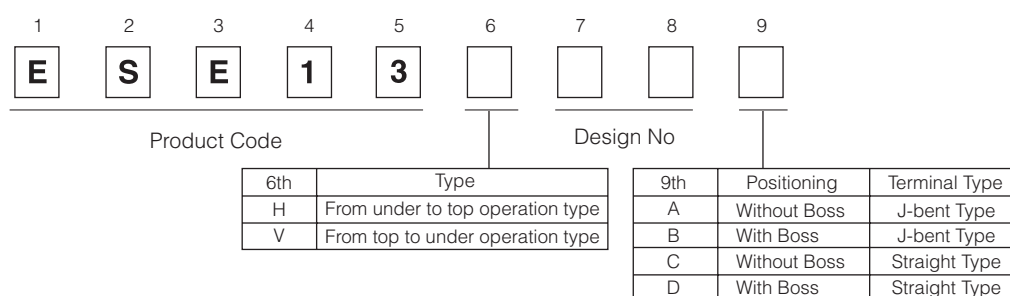
■ Features

- 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 μ A 3 V DC to 10 mA 5 V DC (Resistive load)
Contact Resistance		500 m Ω max. (Initial)
Insulation Resistance		100 M Ω min. (at 100 V DC for 1 minute)
Dielectric Withstanding Voltage		100 V AC (50 Hz or 60 Hz) for 1 minute
Operating Force		300 mN max.
Mounting Height		1.2 mm
Poles and Throws		1-pole 1-throw
Full Travel (Pushing distance)		ESE13 V Type : 2.15 mm (2.15 mm) ESE13 H Type : 3.05 mm (2.15 mm)
Operating Life		50,000 cycles min.
Temperature Range		-10 °C to +60 °C (Standard), -40 °C to +85 °C (Automotive)
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	5,000 pcs. Embossed Taping (Reel Pack)
	ESE13V	3,000 pcs. Embossed Taping (Reel Pack)
Quantity/Carton	ESE13H	30,000 pcs.
	ESE13V	18,000 pcs.

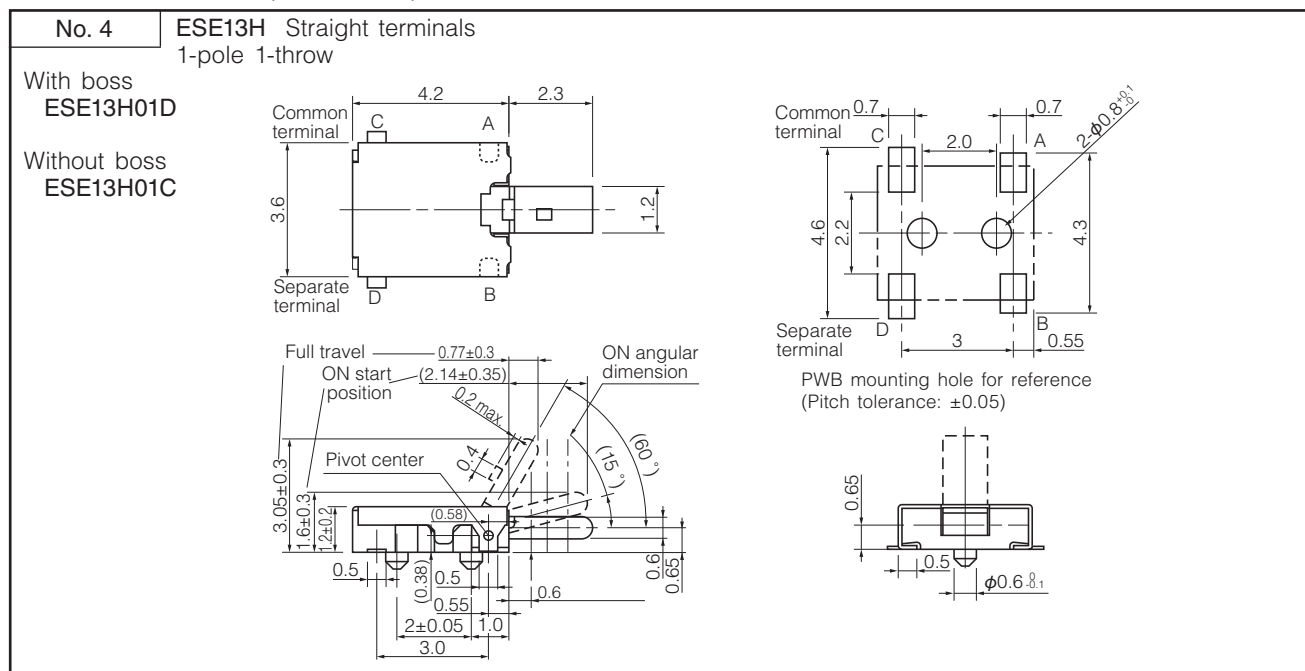
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ Dimensions in mm (not to scale)

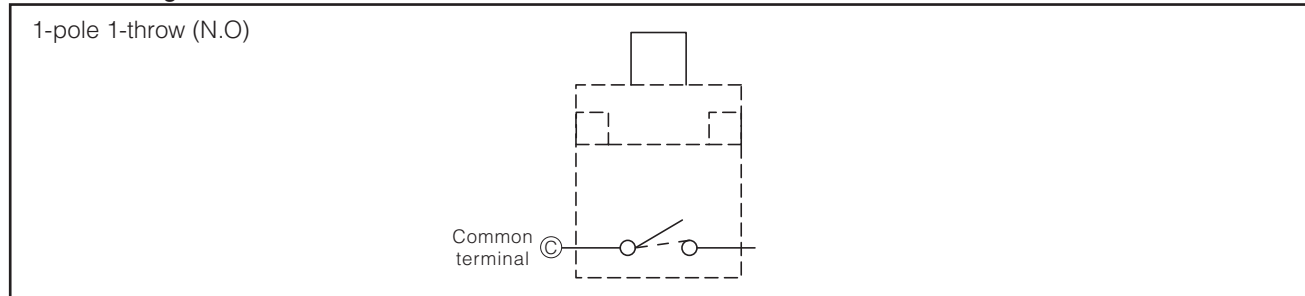
No. 1 ESE13V J-bent terminals 1-pole 1-throw With boss ESE13V01B Without boss ESE13V01A		PWB mounting hole for reference (Pitch tolerance: ±0.05)
No. 2 ESE13V Straight terminals 1-pole 1-throw With boss ESE13V01D Without boss ESE13V01C		PWB mounting hole for reference (Pitch tolerance: ±0.05)
No. 3 ESE13H J-bent terminals 1-pole 1-throw With boss ESE13H01B Without boss ESE13H01A		PWB mounting hole for reference (Pitch tolerance: ±0.05)

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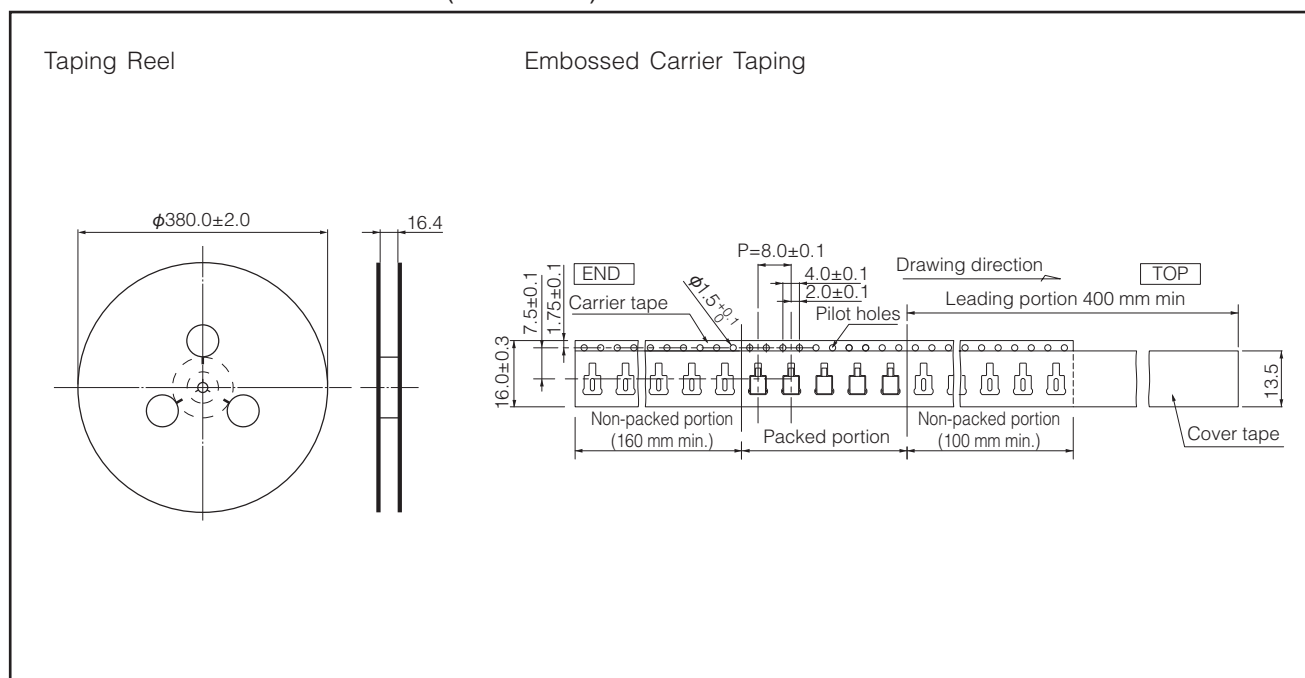


■ Circuit Diagram



■ Packaging Specifications

Standard Reel Dimensions in mm (not to scale)



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