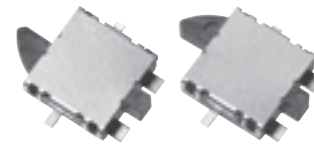


ESE31 Detector Switches

Type: **ESE31**



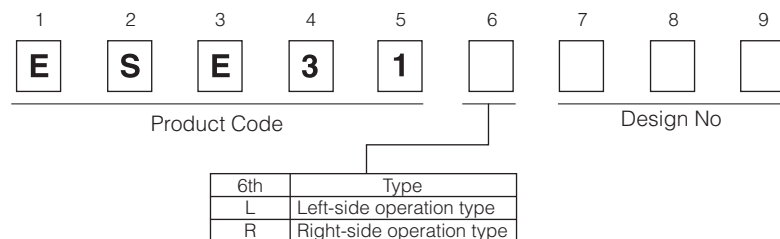
■ Features

- Increased the mounting strength Mounting strength: 80 N
- Decreased the profile of the switch body Height: 1.7 mm
- Increased the contact reliability.

■ Recommended Applications

- Detection of media in portable electronic equipment

■ Explanation of Part Numbers

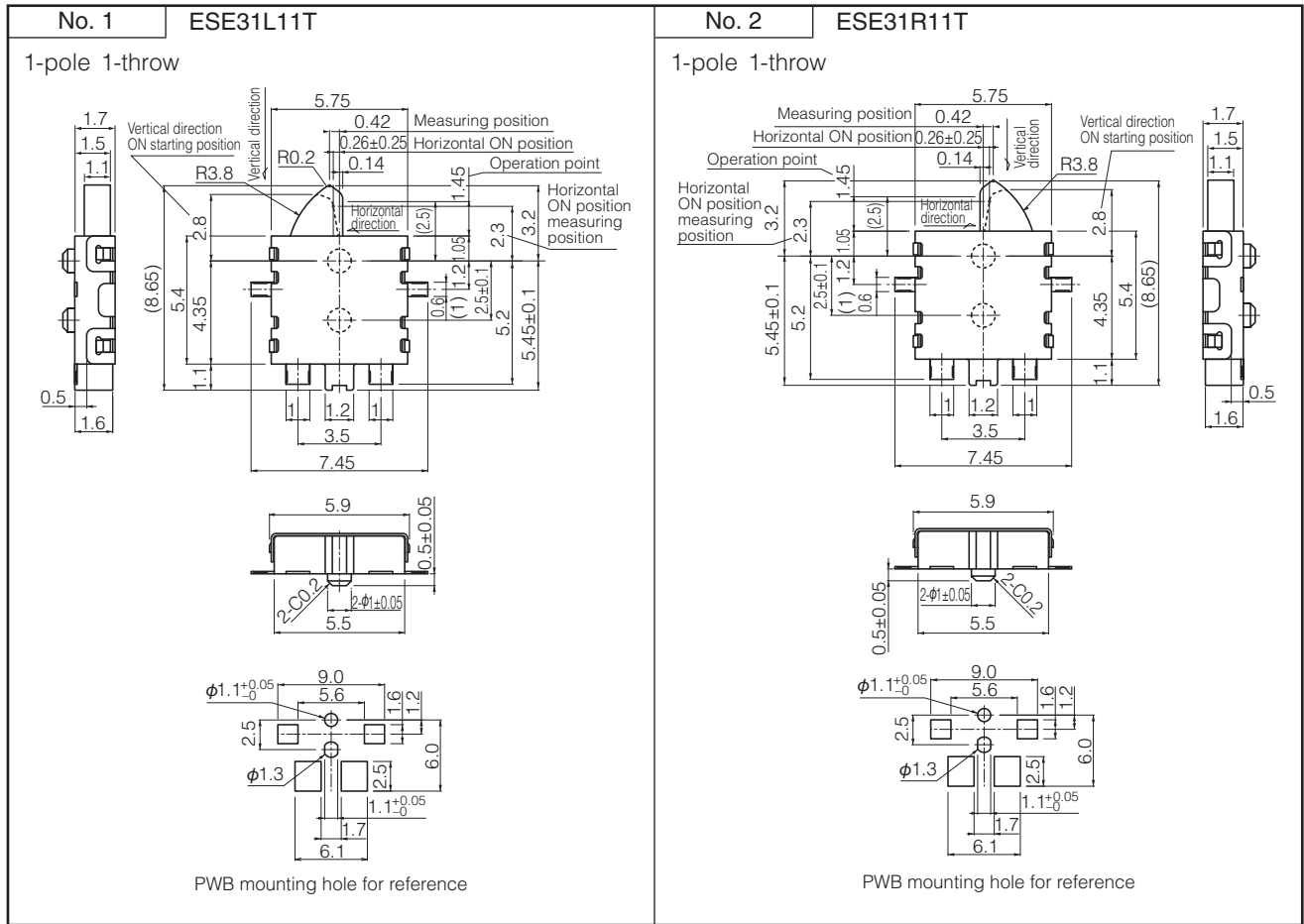


■ Specifications

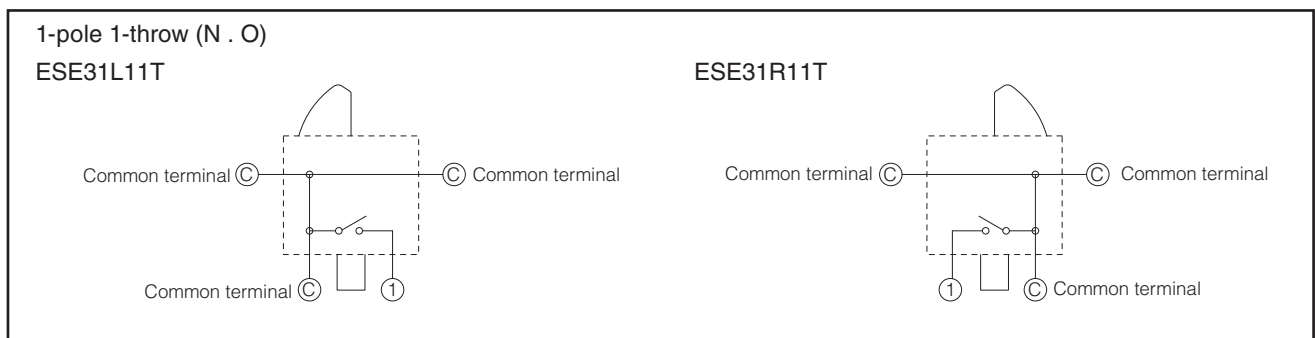
Rating	50 $\mu$ A 3 V DC to 10 mA 5 V DC (Resistive load)
Contact Resistance	500 m $\Omega$ max. (Initial)
Insulation Resistance	100 M $\Omega$ min. (at 100 V DC for 1 minute)
Dielectric Withstanding Voltage	100 V AC (50 Hz or 60 Hz) for 1 minute
Operating Force	390 mN max.
Mounting Height	1.7 mm
Poles and Throws	1-pole 1-throw
Full Travel (Pushing distance)	3.2 mm (2.15 mm)
Operating Life	50,000 cycles min.
Temperature Range	-10 °C to +70 °C (Standard), -40 °C to +85 °C (Automotive)
Heat Resistance	+85 °C for 96 hours
Low Temperature Resistance	-40 °C for 96 hours
Humidity Resistance	+60 °C 90 % to 95 % RH for 96 hours
Minimum Quantity/Packing Unit	2,500 pcs. Embossed Taping (Reel Pack)
Quantity/Carton	15,000 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)

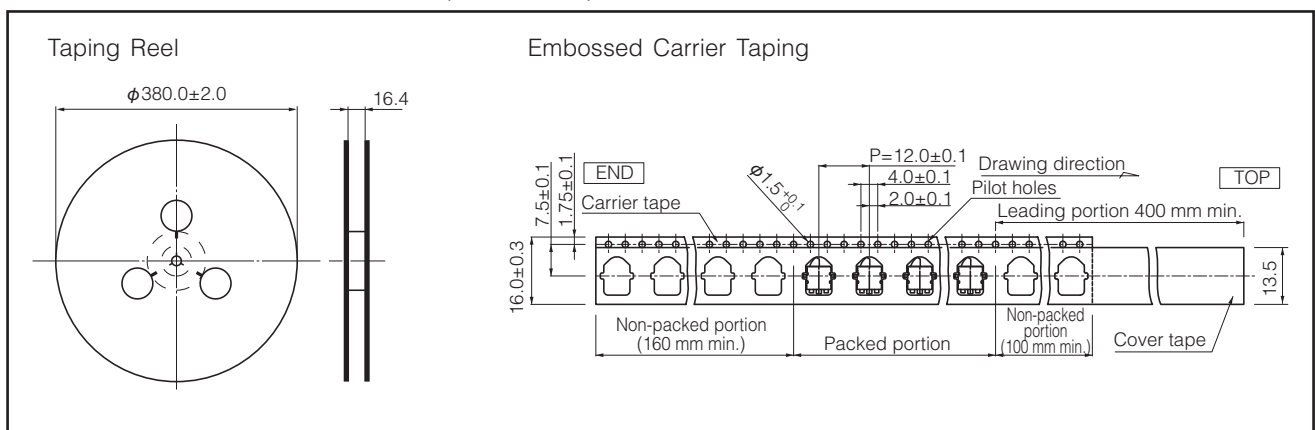


### ■ Circuit Diagram



### ■ Packaging Specifications

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



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.