

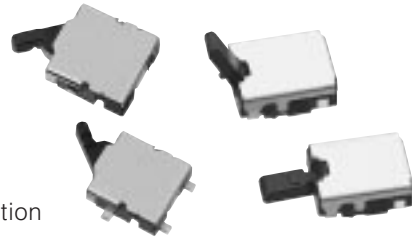
**NEW**

Super Thin-type Detector Switches

Japan

Type: **ESE13/ESE18**

Detection switches designed for miniaturized, thin in size and lightweight applications.



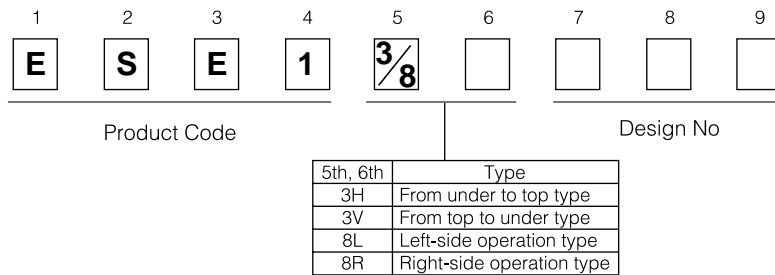
■ Features

- Super thin type : Height : 1.2 mm
- Highly reliable, using self-wiping leaf spring contact construction
- SMT type  
(Embossed Taping, Reflow soldering)

■ Recommended Applications

- Portable Electronic Equipment  
(Cellular Telephones, Portable Information Equipment)

■ Explanation of Part Numbers



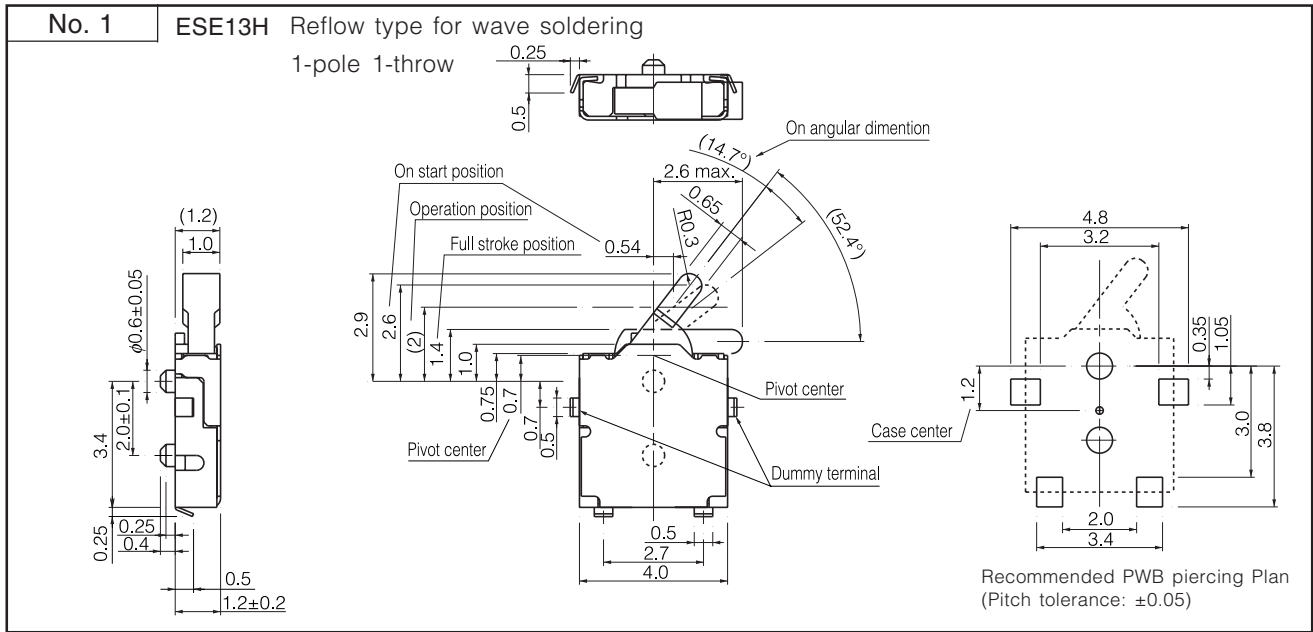
■ Major Specifications

Power Rating	50 μA 3 V dc to 10 mA 5 V dc	
Contact Resistance	1 Ω max.	
Insulation Resistance	100 MΩ max. (100 V dc)	
Dielectric Withstand Voltage	100 V ac for 1 minute	
Operating Force	300 mN max.	
Full Travel	1.5 mm	
Operating Life (Non-Loaded/Loaded)	50000 cycles min. (15 cycles to 20 cycles/minute)	
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. (Reel Pack)
	ESE13V	2500 pcs. (Reel Pack)
	ESE18L	5000 pcs. (Reel Pack)
	ESE18R	5000 pcs. (Reel Pack)
Quantity/Carton	ESE13H	30000 pcs.
	ESE13V	15000 pcs.
	ESE18L	30000 pcs.
	ESE18R	30000 pcs.

■ Dimensions in mm (not to scale)

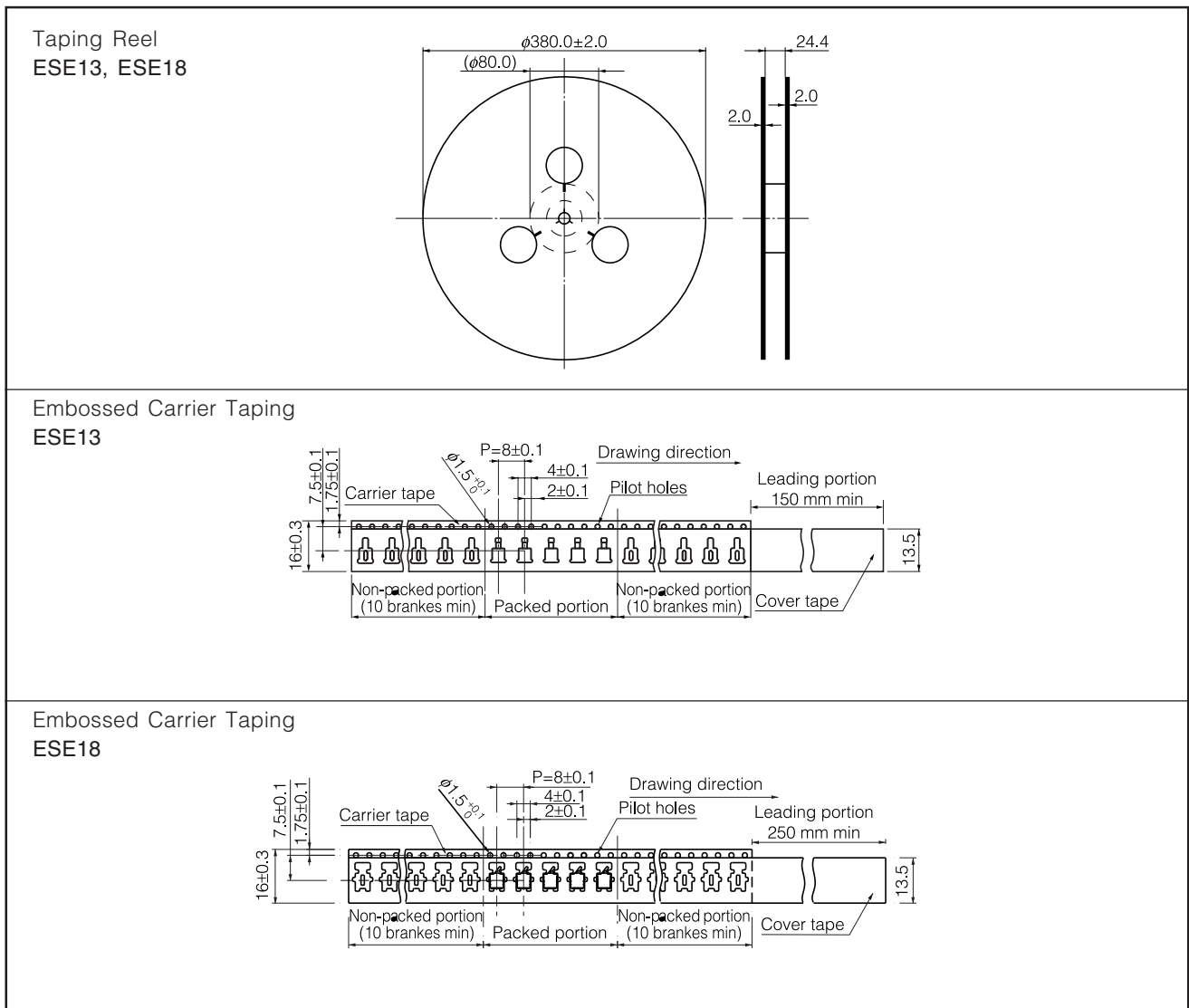
<p>No. 1</p>	<p>ESE13H Reflow type for wave soldering 1-pole 1-throw</p>	<p>Recommended PWB piercing Plan (Pitch tolerance: ±0.05)</p>
<p>No. 2</p>	<p>ESE13V Reflow type for wave soldering 1-pole 1-throw</p>	<p>Recommended PWB piercing Plan (Pitch tolerance: ±0.05)</p>
<p>No. 2</p>	<p>ESE13V Reflow type for wave soldering 1-pole 1-throw</p>	<p>Recommended PWB piercing Plan (Pitch tolerance: ±0.05)</p>

### ■ Dimensions in mm (not to scale)



### ■ Packaging Specifications

Standard Reel Dimensions in mm (not to scale)



Design, Specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use. Whenever a doubt about safety arises from this product, please inform us immediately for technical consultation without fail.