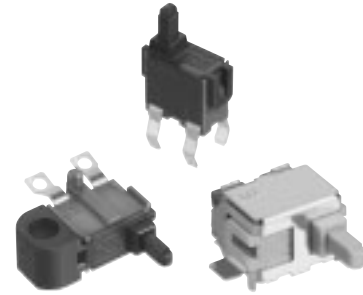


### 5N Detector Switches

Type: **ESE11**



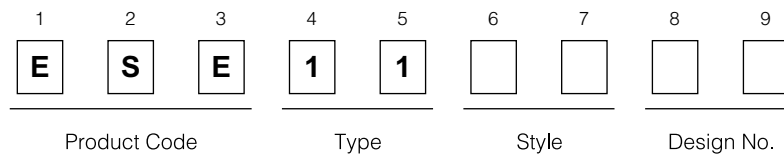
#### ■ Features

- Wide range of customizable features including operational directions
- Light operating force
- Wide available range for reflow soldering

#### ■ Recommended Applications

- Detection of media in portable electronic equipment

#### ■ Explanation of Part Numbers



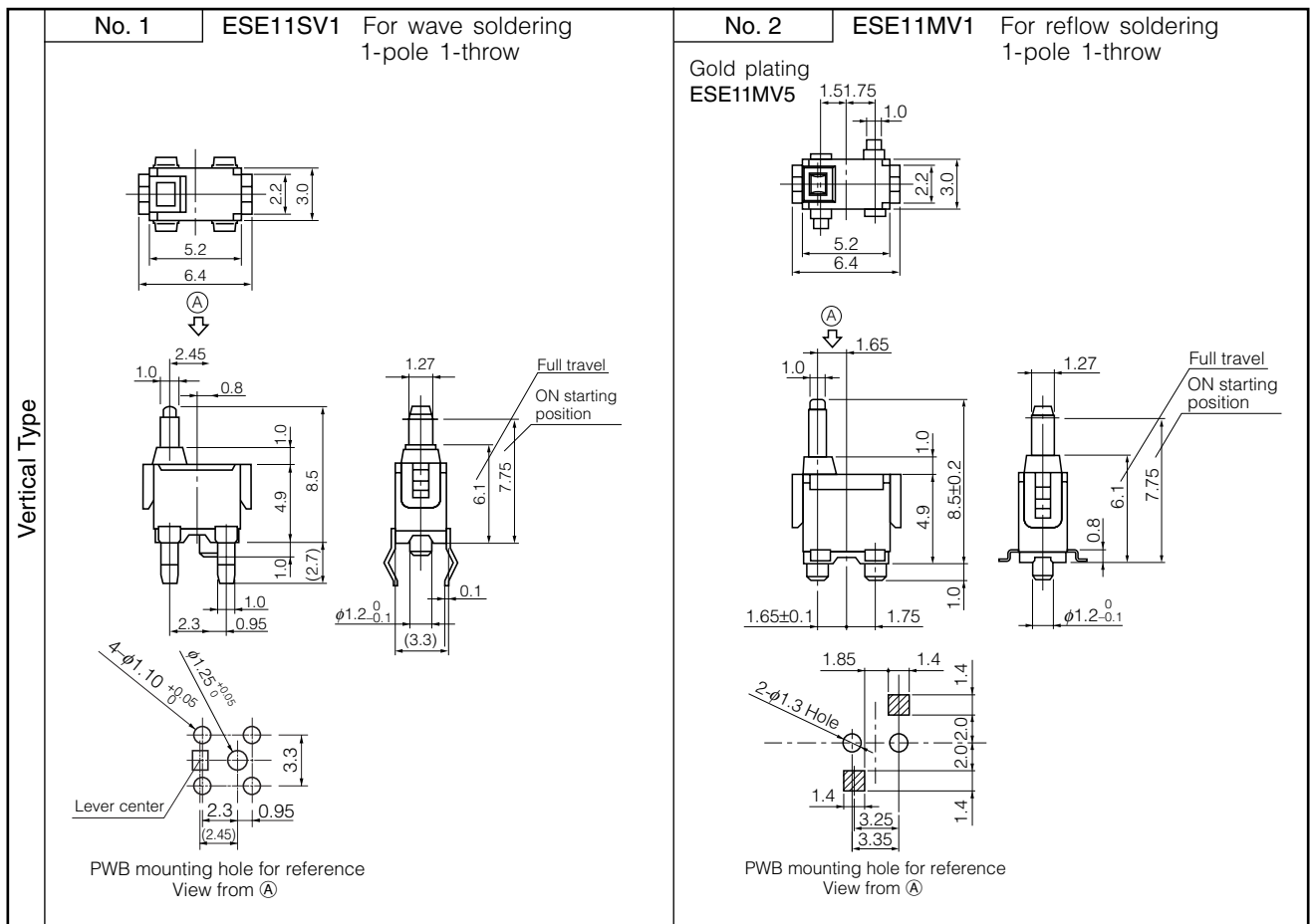
#### ■ Specifications

Rating	50 $\mu$ A 3 Vdc to 10 mA 5 Vdc (Resistive load)
Contact Resistance	500 m $\Omega$ max. (Initial)
Insulation Resistance	100 M $\Omega$ min. (100 Vdc)
Dielectric Withstanding Voltage	100 Vac for 1 minute
Operating Force	350 mN max. (Full Travel)
Mounting Height	<ul style="list-style-type: none"> <li>· Type SV 4.9 mm</li> <li>· Type MV 4.9 mm (MV2, 7 : 5.4 mm)</li> <li>· Type SH 5.25 mm</li> <li>· Type MH 4.25 mm</li> <li>· Type HS, SF 3.6 mm</li> </ul>
Poles and Throws	1-pole 1-throw
Full Travel (Pushing distance)	<ul style="list-style-type: none"> <li>· Type SV 6.1 mm (2.4 mm)</li> <li>· Type MV 6.1 mm (2.4 mm)</li> <li>· Type SH 3.0 mm (2.4 mm)</li> <li>· Type MH 1.7 mm (2.4 mm)</li> <li>· Type HS, SF 6.3 mm (2.4 mm)</li> </ul>
Operating Life	50000 cycles min.
Temperature Range	-10 °C to +70 °C
Heat Resistance	+80 °C for 96 hours
Low Temperature Resistance	-25 °C for 96 hours
Humidity Resistance	+40 °C 90 % to 95 % RH for 96 hours

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.

Minimum Quantity/Packing Unit	ESE11SV□ ESE11MV□ ESE11SH□ ESE11MH□ ESE11HS□ ESE11SF□	200 pcs. Polyethylene Bag (Bulk)
	ESE11MV□T (Excluding : ESE11MV2)	800 pcs. Embossed Taping (Reel Pack)
	ESE11MH□T	1500 pcs. Embossed Taping (Reel Pack)
Quantity/ Carton	ESE11SV□ ESE11MV□ ESE11SH□ ESE11MH□ ESE11HS□ ESE11SF□	10000 pcs. Polyethylene Bag (Bulk)
	ESE11MV2	8000 pcs. Polyethylene Bag (Bulk)
	ESE11MV□T (Excluding : ESE11MV2)	4800 pcs. Embossed Taping (Reel Pack)
	ESE11MH□T	9000 pcs. Embossed Taping (Reel Pack)

### ■ Dimensions in mm (not to scale)



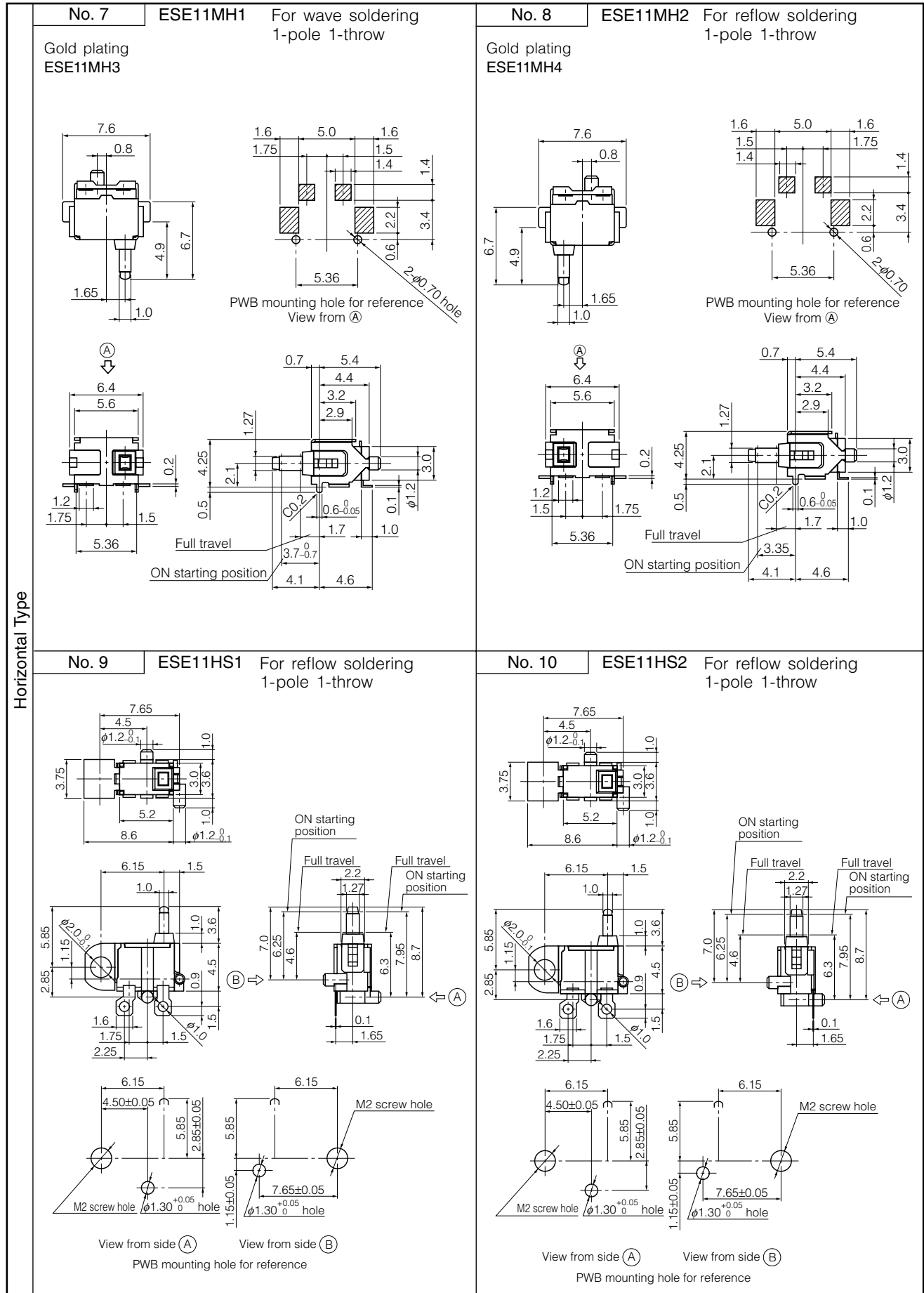
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■ Dimensions in mm (not to scale)

	No. 3	ESE11MV9	For reflow soldering 1-pole 1-throw	No. 4	ESE11MV2	For reflow soldering 1-pole 1-throw
Vertical Type	Gold plating ESE11MV13					
	PWB mounting hole for reference View from (A)			PWB mounting hole for reference View from (A)		
Horizontal Type	No. 5	ESE11SH1C	For reflow soldering 1-pole 1-throw	No. 6	ESE11SH2C	For wave soldering 1-pole 1-throw
	Gold plating ESE11SH5			Gold plating ESE11SH6		
	PWB mounting hole for reference View from (A)			PWB mounting hole for reference View from (A)		

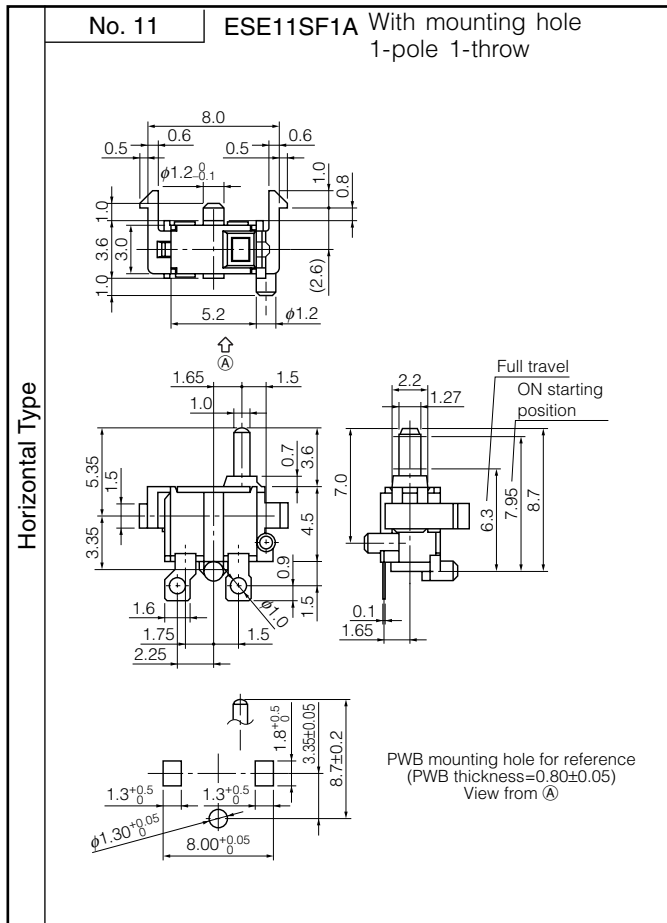
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■ Dimensions in mm (not to scale)



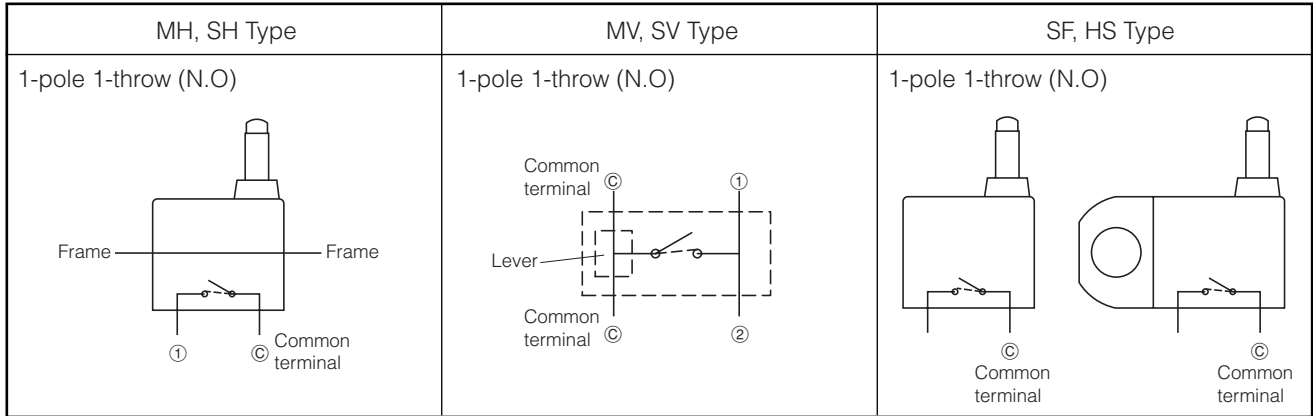
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■ Dimensions in mm (not to scale)



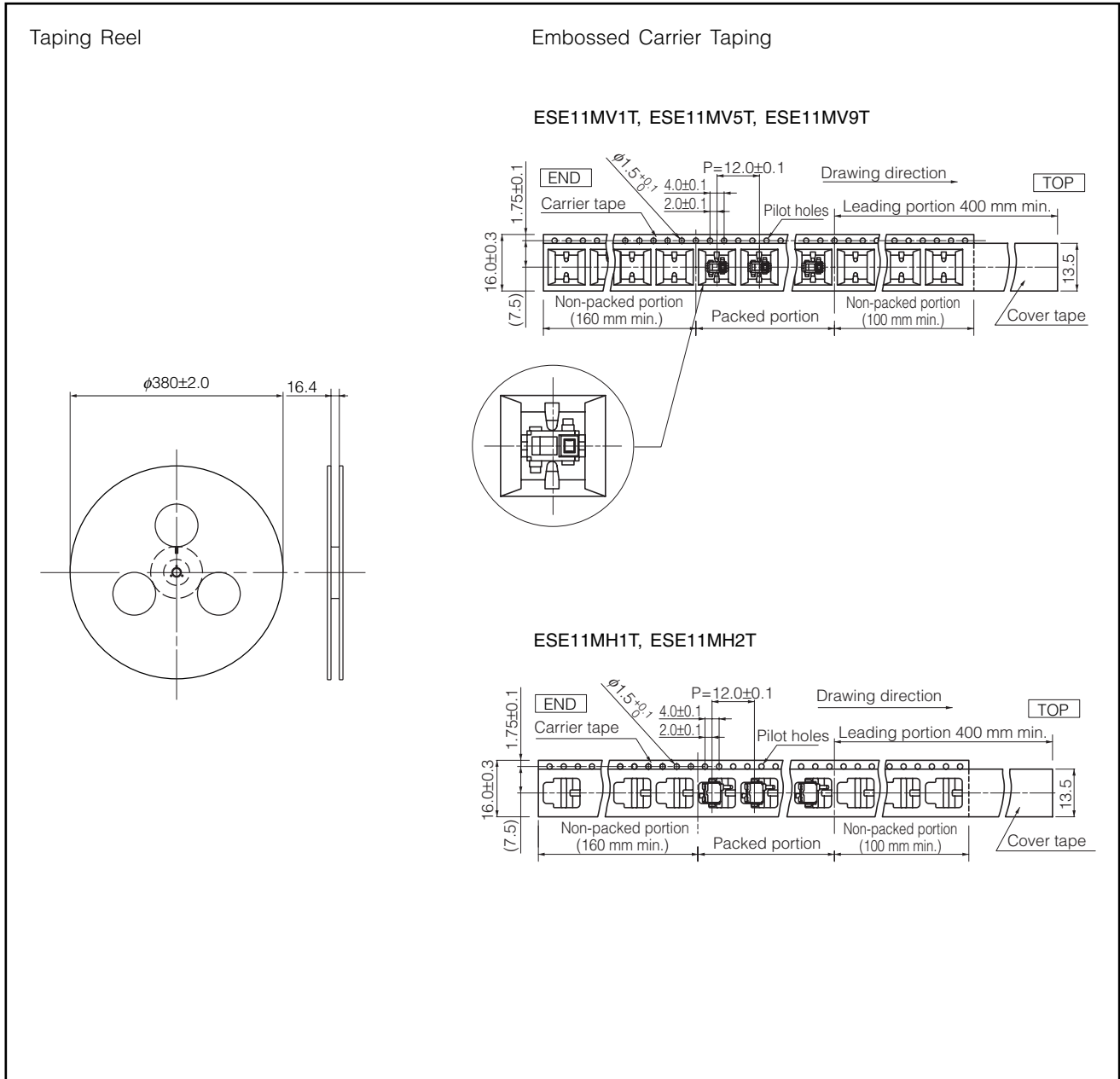
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### ■ Circuit Diagram



### ■ Packaging Specifications

Standard Reel Dimensions in mm (not to scale)



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