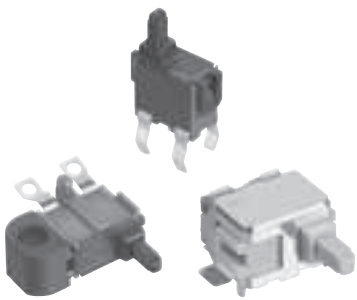


5N Detector Switches

Type: ESE11



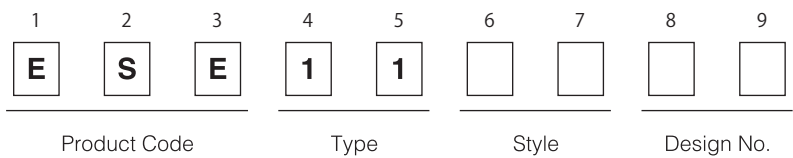
■ Features

- 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 μ A 3 Vdc to 10 mA 5 Vdc (Resistive load)
Contact Resistance	500 m Ω max. (Initial)
Insulation Resistance	100 M Ω min. (100 Vdc)
Dielectric Withstanding Voltage	100 Vac for 1 minute
Operating Force	350 mN max. (Full Travel)
Mounting Height	· Type SV · Type MV · Type SH · Type MH · Type HS, SF 4.9 mm 4.9 mm (MV2, 7 : 5.4 mm) 5.25 mm 4.25 mm 3.6 mm
Poles and Throws	1-pole 1-throw
Full Travel (Pushing distance)	· Type SV · Type MV · Type SH · Type MH · Type HS, SF 6.1 mm (2.4 mm) 6.1 mm (2.4 mm) 3.0 mm (2.4 mm) 1.7 mm (2.4 mm) 6.3 mm (2.4 mm)
Operating Life	50000 cycles min.
Temperature Range	-10 $^{\circ}$ C to +70 $^{\circ}$ C
Heat Resistance	+80 $^{\circ}$ C for 96 hours
Low Temperature Resistance	-25 $^{\circ}$ C for 96 hours
Humidity Resistance	+40 $^{\circ}$ C 90 % to 95 % RH for 96 hours

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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)

	No. 1	ESE11SV1 For wave soldering 1-pole 1-throw	No. 2	ESE11MV1 For reflow soldering 1-pole 1-throw
	Vertical Type		Gold plating ESE11MV5	
	Top view dimensions: 6.4, 5.2, 2.2, 3.0, 6.4, 5.2, 2.2, 3.0 Side view dimensions: 1.0, 2.45, 0.8, 1.0, 1.0, 4.9, 8.5, 1.0, 2.3, 0.95, 2.3, 0.95, 2.45 Front view dimensions: 1.27, 6.1, 7.75, 0.1, 3.3, 1.2, 0.1 Mounting holes: 4-f1.10, 2-f1.25 Lever center PWB mounting hole for reference View from A		Top view dimensions: 6.4, 5.2, 2.2, 3.0, 6.4, 5.2, 2.2, 3.0 Side view dimensions: 1.0, 1.65, 1.0, 1.0, 4.9, 8.5±0.2, 1.0, 1.65±0.1, 1.75 Front view dimensions: 1.27, 6.1, 7.75, 0.8, 1.2, 0.1 Mounting holes: 2-f1.3 Hole, 2-f1.25 PWB mounting hole for reference View from A	

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■ Dimensions in mm (not to scale)

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

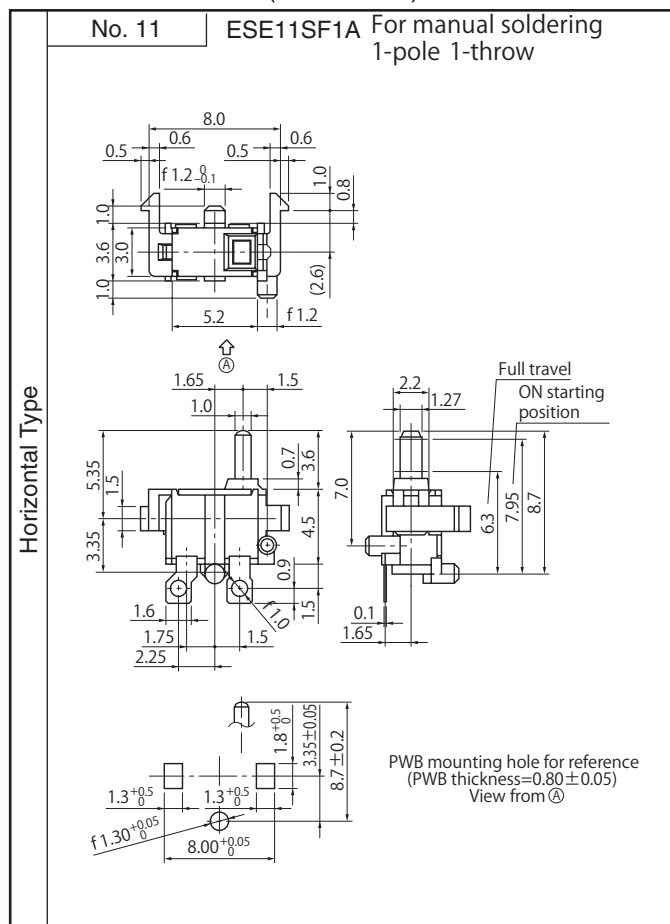
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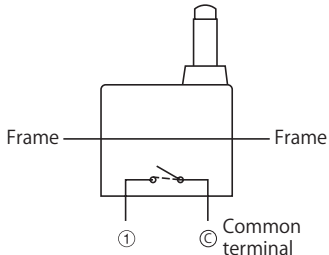
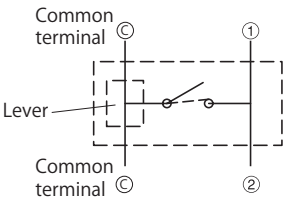
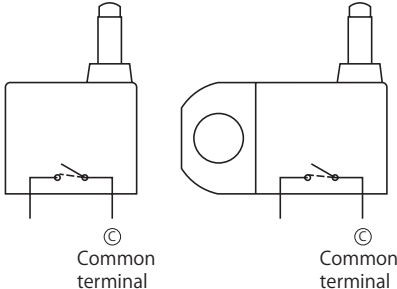
Horizontal Type

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■ Dimensions in mm (not to scale)

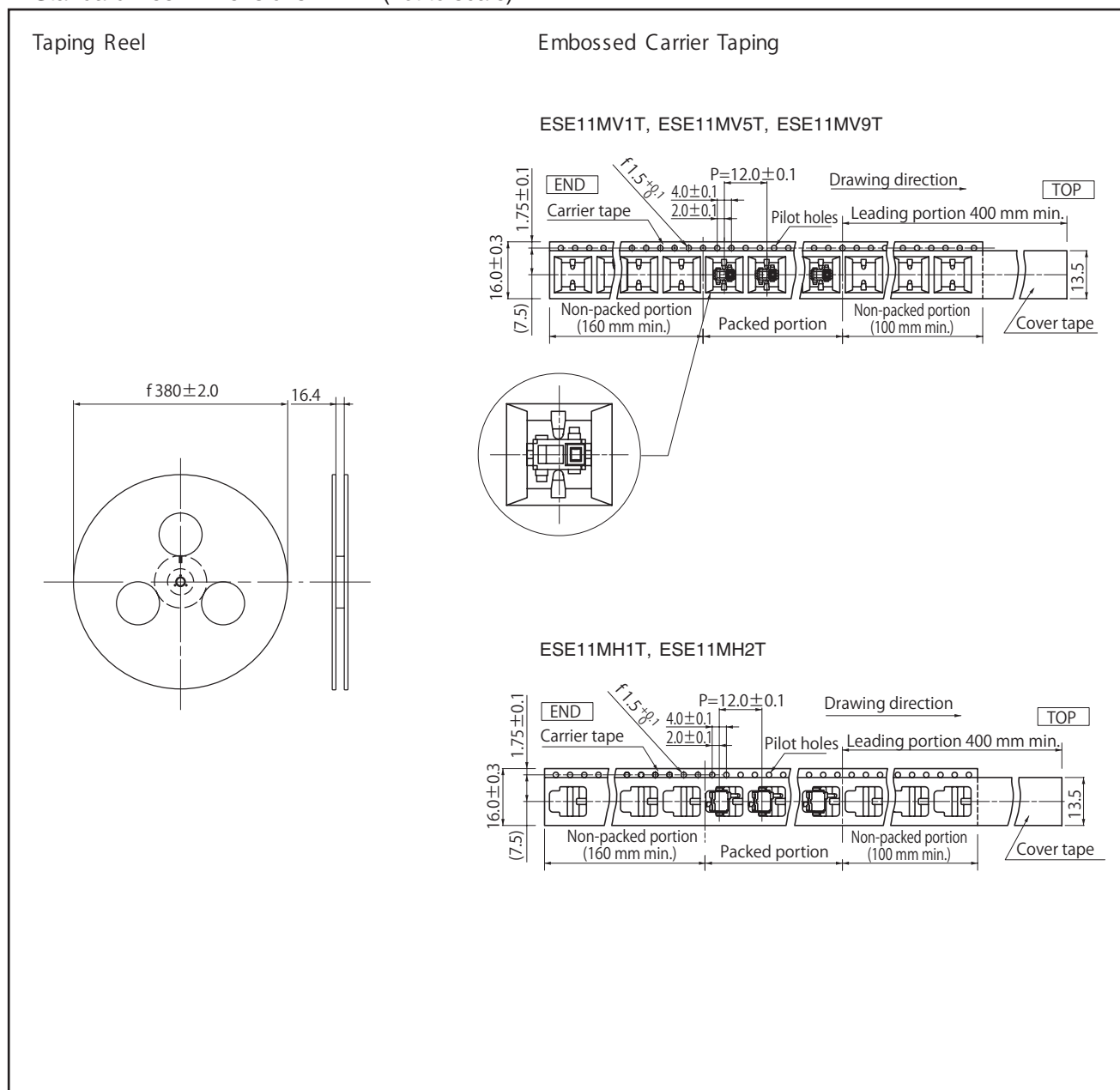


Circuit Diagram

MH, SH Type	MV, SV Type	SF, HS Type
1-pole 1-throw (N.O)	1-pole 1-throw (N.O)	1-pole 1-throw (N.O)
		

Packaging Specifications

Standard Reel Dimensions in mm (not to scale)



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