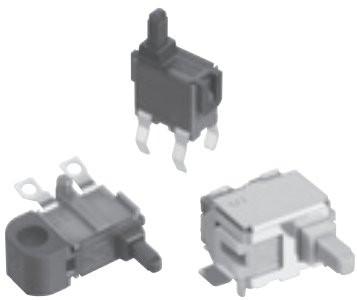


ESE11 Detector Switches

Type: **ESE11**



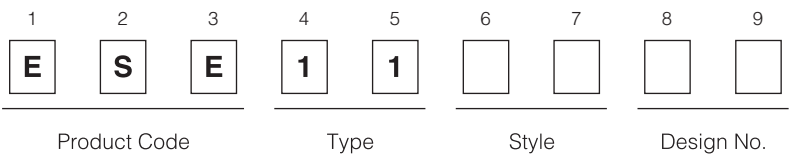
■ Features

- 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 μA 3 V DC to 10 mA 5 V DC (Resistive load)
Contact Resistance	500 mΩ max. (Initial)
Insulation Resistance	100 MΩ min. (at 100 V DC for 1 minute)
Dielectric Withstanding Voltage	100 V AC (50 Hz or 60 Hz) for 1 minute
Operating Force	350 mN max. (Full Travel)
Mounting Height	· ESE11SV Type 4.9 mm · ESE11MV Type 4.9 mm · ESE11SH Type 5.25 mm · ESE11MH Type 4.25 mm · ESE11HS, SF Type 3.6 mm
Poles and Throws	1-pole 1-throw
Full Travel (Pushing distance)	· ESE11SV Type 6.1 mm (2.4 mm) · ESE11MV Type 6.1 mm (2.4 mm) · ESE11SH Type 3.0 mm (2.4 mm) · ESE11MH Type 1.7 mm (2.4 mm) · ESE11HS, SF Type 6.3 mm (2.4 mm)
Operating Life	50,000 cycles min.
Temperature Range	−10 °C to +70 °C (Standard), −40 °C to +85 °C (Automotive)
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	1,500 pcs. Embossed Taping (Reel Pack)
Quantity/ Carton	ESE11SV□ ESE11MV□ ESE11SH□ ESE11MH□ ESE11HS□ ESE11SF□	10,000 pcs. Polyethylene Bag (Bulk)
	ESE11MV□T (Excluding : ESE11MV2)	4,800 pcs. Embossed Taping (Reel Pack)
	ESE11MH□T	9,000 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 4-φ1.10^{+0.05}₀ φ1.25^{+0.05}₀ Lever center PWB mounting hole for reference View from A		2-φ1.3 Hole PWB mounting hole for reference View from A	

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■ Dimensions in mm (not to scale)

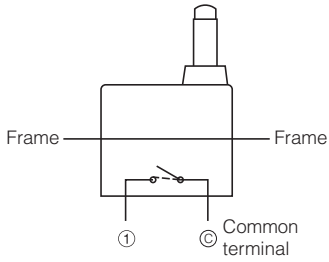
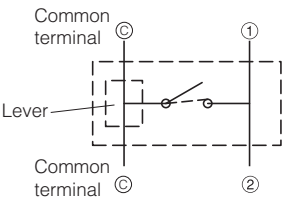
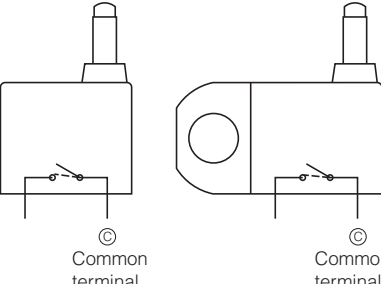
Vertical Type	No. 3 ESE11MV9 For reflow soldering 1-pole 1-throw Gold plating ESE11MV13	No. 4 ESE11SH1C For wave soldering 1-pole 1-throw Gold plating ESE11SH5
Horizontal Type	No. 5 ESE11SH2C For wave soldering 1-pole 1-throw Gold plating ESE11SH6	No. 6 ESE11MH1 For reflow soldering 1-pole 1-throw Gold plating ESE11MH3

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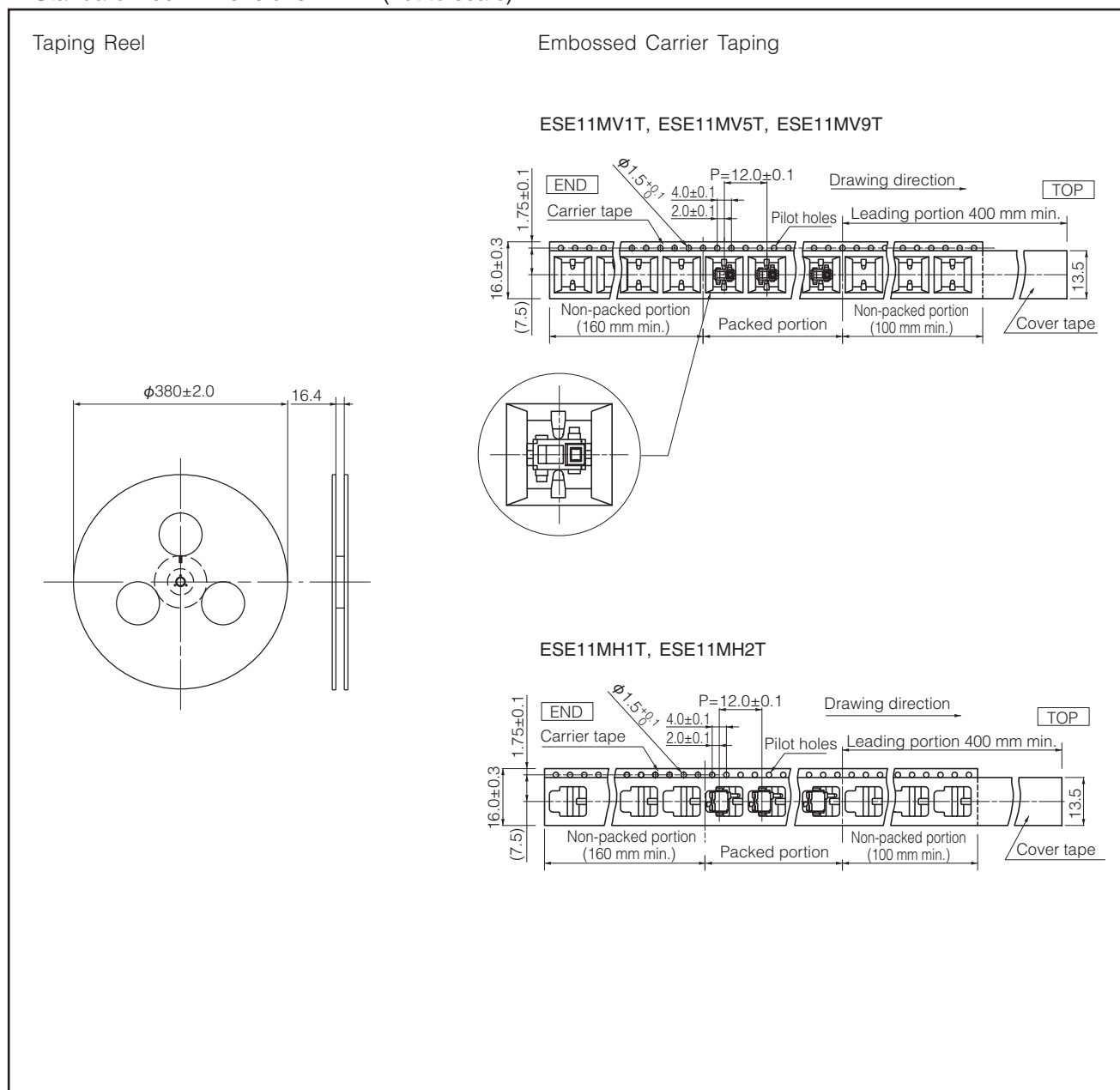
Downloaded from Arrow.com.

■ 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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