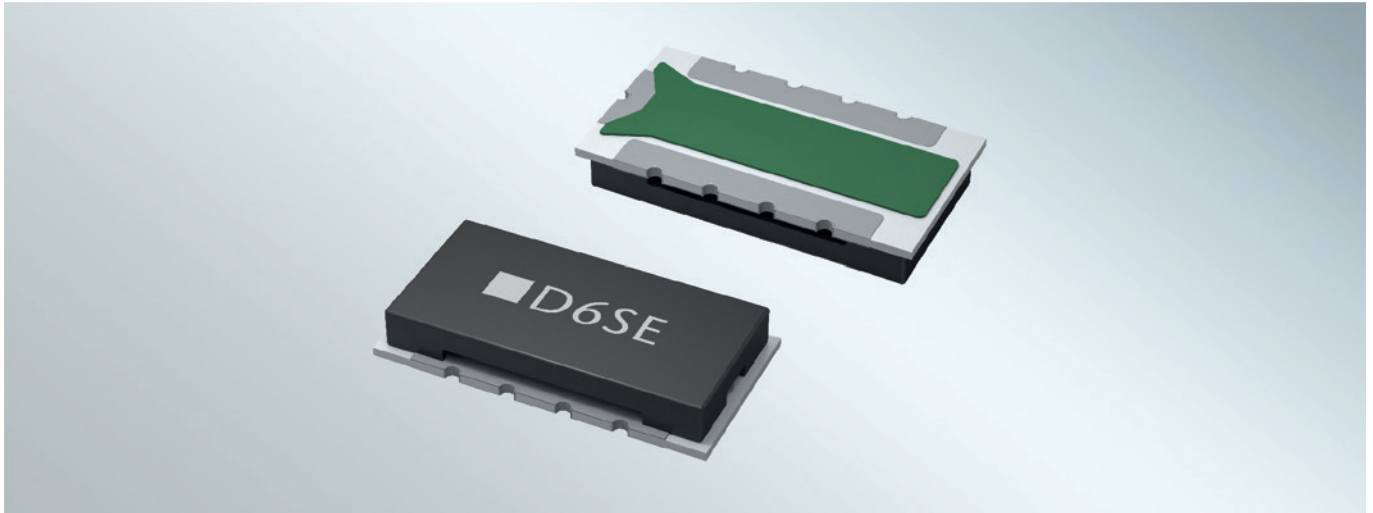




SEFUSE® Battery Fuse D6SE Series (30A/45A)

Surface mount fuses for lithium ion batteries



SCHOTT SEFUSE® D6S battery fuses are used in the secondary protection circuit of li-ion batteries to prevent dangerous circumstances of overcurrent and overcharging, and additionally help prevent fires caused by overheating. **D6SE series battery fuses** support rated current of 30A and 45A and are well-suited for high-current applications, such as power tools and E-bikes.

Applications

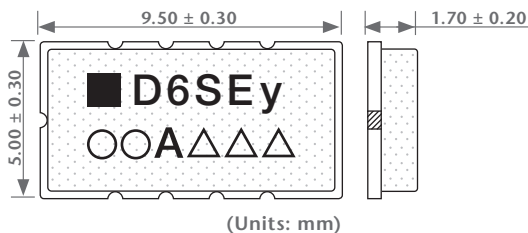
Battery packs for

- Cordless and robotic vacuum cleaners
- Rechargeable power and garden tools
- E-bikes
- E-motorcycles
- Energy storage systems

Advantages

- Suitable for high currents
- Compatible with up to 14 cells
- RoHS compliant
- Antimony-free
- Halogen-free

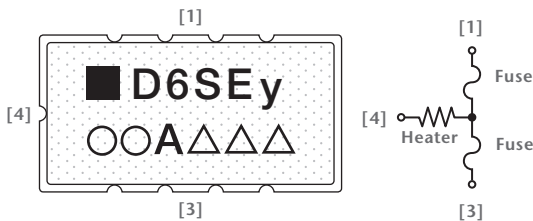
Dimensions and Marking



D6SE series battery fuses have markings on the cap that include the following items:

- D6SE: Series name
- y: Heater resistance code
- 00A: Rated current
- △△△: Lot number

Wiring Diagram





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Specifications/Safety Standards

Part Number	Rated Current (A)	Rated Voltage (Vdc)	Breaking Capacity (A)	Fuse Resistance (mΩ)	Applicable Series Cell Number	Applicable Voltage Range (V)	Heater Resistance (Ω)	UL	TÜV
D6SE02-30	30	80	80	1.5 ± 0.5	1-2	4.0 ~ 9.6	0.90 ± 20%	E357922	J50247451
D6SE03-30					3	8.4 ~ 19.1	4.50 ± 20%		
D6SE05-30					4-5	10.5 ~ 23.5	6.85 ± 20%		
D6SE09-30					6-9	20.2 ~ 46.3	26.00 ± 20%		
D6SE14-30					10-14	28.0 ~ 62.0	50.00 ± 20%		
D6SE03-45	45	80	120	1.4 ± 0.4	3	9.8 ~ 13.5	2.65 ± 20%	E357922	J50247451
D6SE04-45					4	13.0 ~ 18.4	4.65 ± 20%		
D6SE05-45					5	16.7 ~ 23.5	7.70 ± 20%		
D6SE07-45					6-7	22.3 ~ 31.5	14.40 ± 15%		
D6SE10-45					9-10	33.0 ~ 46.9	31.40 ± 15%		
D6SE14-45					12-14	43.7 ~ 62.0	55.20 ± 15%		

Forms of Supply

- Packing: Embossed carrier tapes
- Quantity: 4,000 pcs/reel



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