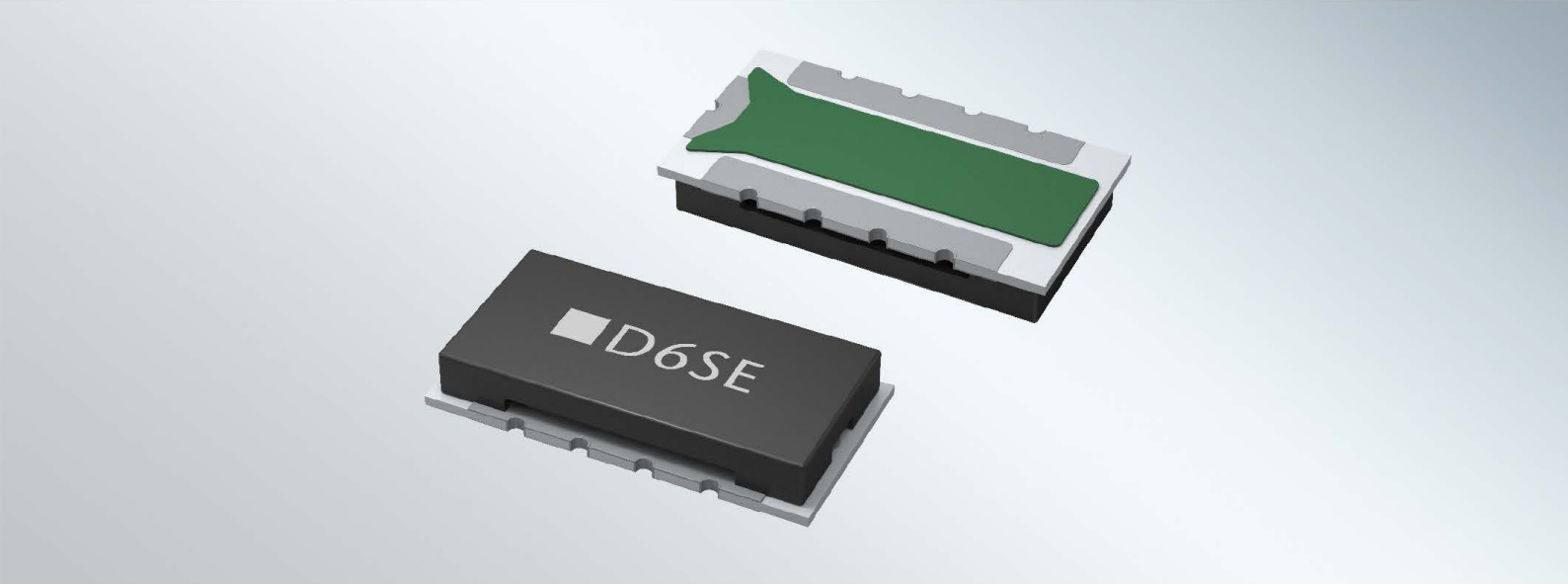


SEFUSE® battery fuse D6SE series (30A/45A/60A)

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 currents of 30A, 45A and 60A and are well-suited for high-current applications, such as power tools and E-bikes.

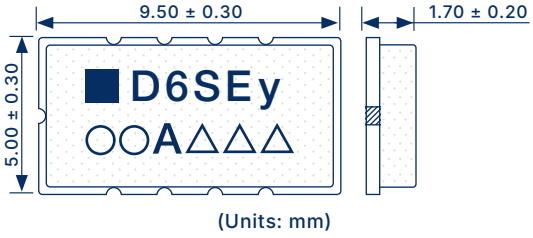
Applications

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

Dimensions and marking

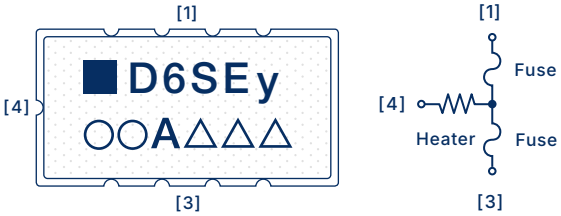


(Units: mm)

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

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

Wiring diagram



SCHOTT

SEFUSE® battery fuse D6SE series (30A/45A/60A)

Surface mount fuses for lithium ion batteries

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	1.10 ± 15%	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%		
D6SE02-45	45	80	120	1.4 ± 0.4	2	6.0 ~ 9.0	1.00 ± 15%	E357922	J50247451
D6SE03-45					3	9.8 ~ 13.5	2.65 ± 20%		
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%		
D6SE13-45					14	33.0 ~ 63.0	48.00 ± 11%		
D6SE14-45					12-14	43.7 ~ 62.0	55.20 ± 15%		
D6SE02-60	60	80	160	1.0 ± 0.3	2	6.0 ~ 9.0	1.20 ± 15%	E357922	J50247451
D6SE03-60					3	9.6 ~ 13.5	2.40 ± 20%		
D6SE04-60					4	13.0 ~ 18.4	4.40 ± 20%		
D6SE05-60					5	16.7 ~ 23.5	7.20 ± 20%		
D6SE07-60					6-7	22.3 ~ 31.5	13.40 ± 15%		
D6SE10-60					9-10	33.0 ~ 46.9	29.40 ± 15%		
D6SE13-60					14	33.0 ~ 63.0	43.00 ± 10%		
D6SE14-60					12-14	43.7 ~ 62.0	51.80 ± 15%		

Forms of supply

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

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schott.com/batteryfuse

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