

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.

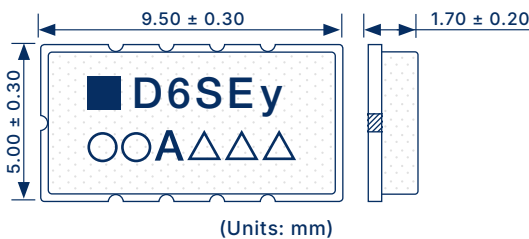
Applications

- 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



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



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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	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

schott.com/batteryfuse

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