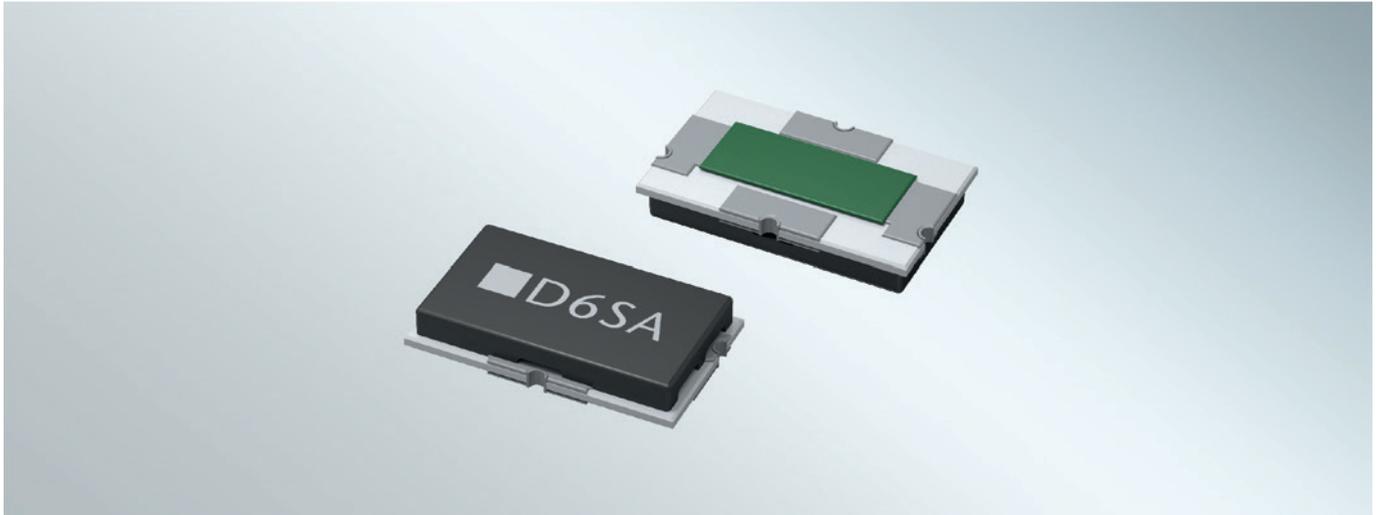


SEFUSE® Battery Fuse D6SA Series (12A/15A/30A)

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. **D6SA series battery fuses** are compatible with up to 14 cells and are suitable for high-current applications, such as power tools and E-bikes as well as applications with space-saving requirements.

Applications

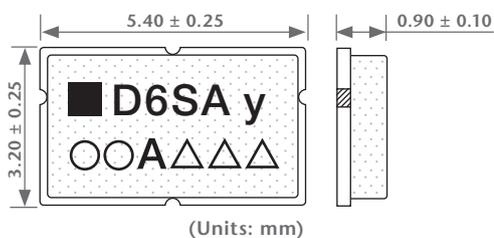
Battery packs for

- Notebook PCs
- Cordless and robotic vacuum cleaners
- Rechargeable power and garden tools
- E-bikes

Advantages

- Suitable for high currents
- Thin and compact design
- RoHS compliant
- Antimony-free
- Halogen-free

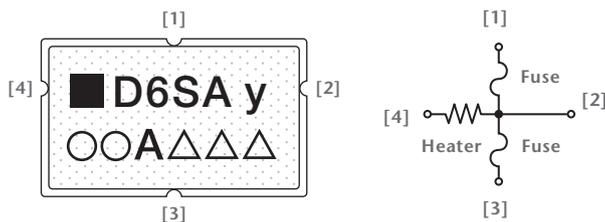
Dimensions and Marking



D6SA series battery fuses have markings on the cap that include the following items:

- D6SA: Series name
- y: Heater resistance code
- 00A: Rated current
- $\Delta\Delta\Delta$: 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
D6SA2-12	12	36	50	2.0 ± 1.0	1-2	4.0 ~ 9.0	2.15 ± 20%	E357922	J50247451
D6SA3-12					3	7.4 ~ 13.8	7.30 ± 20%		
D6SA4-12					4	10.5 ~ 19.6	14.70 ± 20%		
D6SA3-15	15	36	50	1.5 ± 1.0	3	7.4 ~ 13.8	6.90 ± 20%	E357922	J50247451
D6SA4-15					4	10.5 ~ 19.6	14.00 ± 20%		
D6SA5-15					5	14.4 ~ 23.5	21.60 ± 20%		
D6SA02-30	30	62	80	0.6 ± 0.5	2	7.8 ~ 9.4	3.20 ± 20%	E357922	J50247451
D6SA03-30					3	9.9 ~ 13.5	6.05 ± 20%		
D6SA04-30					4	13.4 ~ 18.4	11.05 ± 20%		
D6SA05-30					5	17.1 ~ 23.5	18.00 ± 20%		
D6SA06-30					6	20.0 ~ 27.5	24.70 ± 20%		
D6SA07-30					7	23.0 ~ 31.5	32.60 ± 20%		
D6SA09-30					9-10	28.0 ~ 45.0	60.00 ± 15%		
D6SA10-30					9-10	34.2 ~ 46.9	75.00 ± 15%		
D6SA14-30					13-14	49.0 ~ 62.0	154.00 ± 15%		

Forms of Supply

- Packing: Embossed carrier tapes
- Quantity: 5,000 pcs/reel



70332 ENGLISH-ROW 03/2022 all/mine Printed in Germany

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