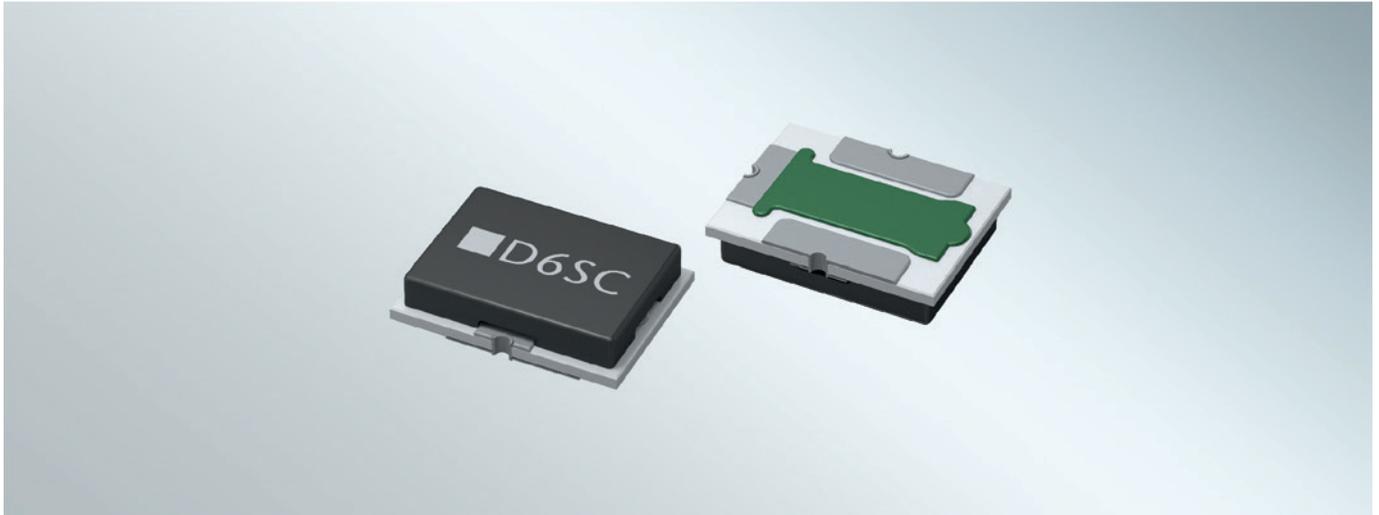


SEFUSE® Battery Fuse D6SC Series (12A/15A)

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. **D6SC series battery fuses** have a thin and compact design and are suitable for circuit protection in devices that require space-saving components.

Applications

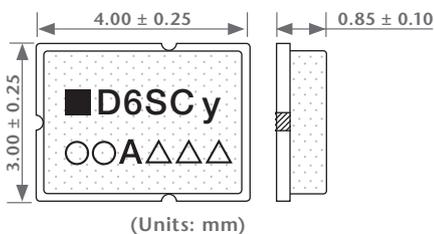
Battery packs for

- Smartphones
- Notebook PCs
- Tablets
- Cordless and robotic vacuum cleaners
- Rechargeable power and garden tools

Advantages

- Thin and compact design
- RoHS compliant
- Antimony-free
- Halogen-free

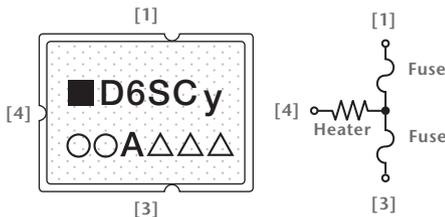
Dimensions and Marking



D6SC series battery fuses have markings on the cap that include the following items:

- D6SC: 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
D6SC1-12	12	36	50	2.0 ± 1.0	1	3.0 ~ 5.0	1.35 ± 25%	E357922	J50247451
D6SC2-12					2	4.0 ~ 9.0	2.50 ± 20%		
D6SC3-12					3	7.4 ~ 13.8	8.30 ± 20%		
D6SC4-12					4	10.5 ~ 19.6	16.70 ± 20%		
D6SC1-15	15	36	50	1.5 ± 1.0	1	3.0 ~ 5.0	1.25 ± 20%	E357922	J50247451
D6SC2-15					2	5.0 ~ 9.0	3.20 ± 20%		
D6SC3-15					3	7.4 ~ 13.8	6.95 ± 20%		
D6SC4-15					4	10.5 ~ 19.6	13.10 ± 20%		
D6SC5-15					5	14.4 ~ 23.5	23.50 ± 20%		
D6SC6-15					6	16.8 ~ 28.0	36.20 ± 20%		

Forms of Supply

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



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