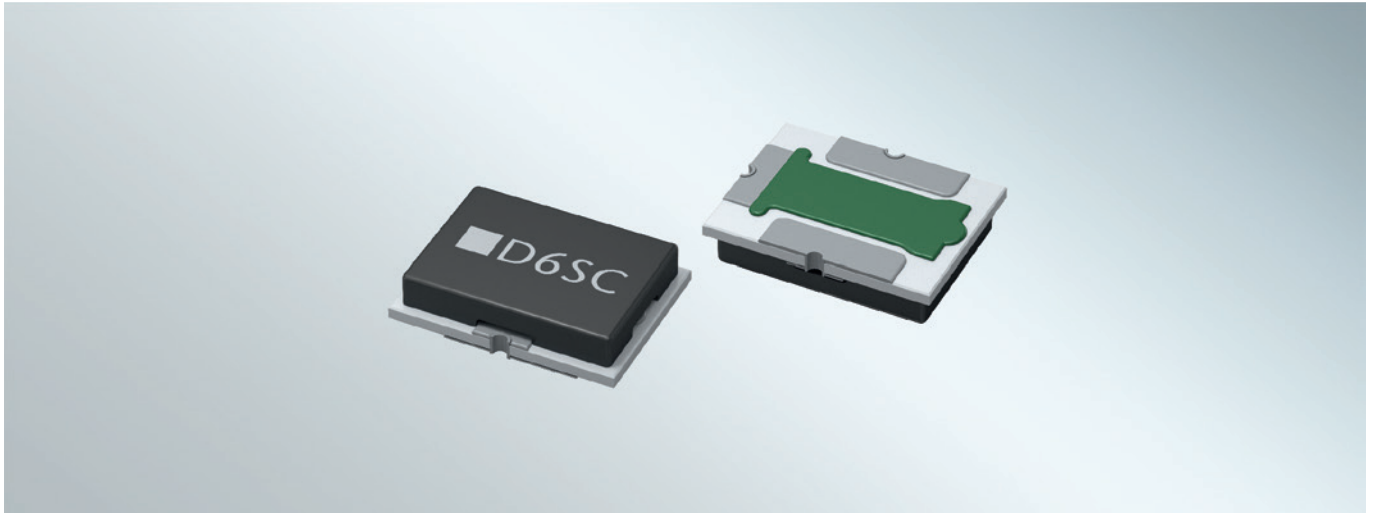# SEFUSE® Battery Fuse D6SC Series (12A/15A/22A)

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.
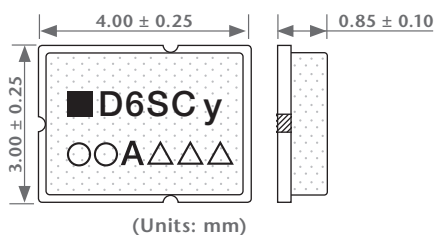
Applications

Battery packs for
• Smartphones
• Notebook PCs
• Tablets
• Cordless and robotic vacuum cleaners
• Rechargeable power and garden tools

Advantages

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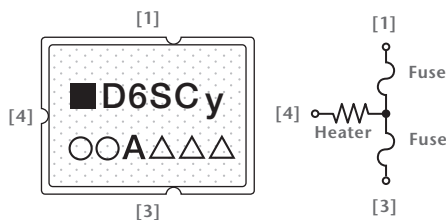• RoHS compliant
• Antimony-free
• Halogen-free

Dimensions and Marking

(Units: mm)

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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SEFUSE® Battery Fuse D6SC Series (12A/15A/22A)

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
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%		
D6SC1-22	22	62	80	0.7 ± 0.5	1	3.5 ~ 4.7	0.85 ± 20%	E357922	J50247451
D6SC2-22					2	6.0 ~ 9.4	3.00 ± 15%		
D6SC3-22					3	9.0 ~ 14.1	7.00 ± 15%		
D6SC4-22					4	12.0 ~ 18.8	12.40 ± 15%		
D6SC5-22					5	15.9 ~ 23.5	20.60 ± 15%		

Forms of Supply

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

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