

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

Highly reliable secondary protection for battery packs in limited-space applications

Product information

SCHOTT SEFUSE® D6SC series battery fuses are thin surface mount devices suitable for products that require space-saving li-ion battery components. The fuse will cut off in case of an instance of overcurrent, and its self-heater element is able to externally cut off in case of overcharging.

Applications

D6SCy-12 (12A)

Battery packs for

- Smartphones
- Notebook PCs
- Tablets

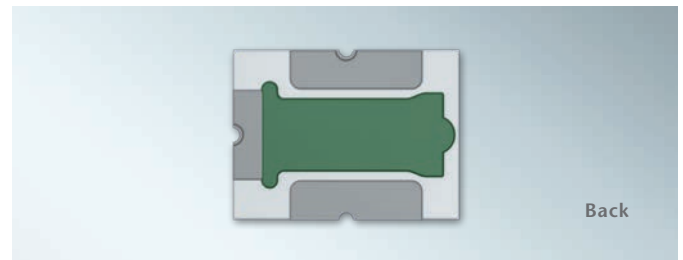
D6SCy-15 (15A)

Battery packs for

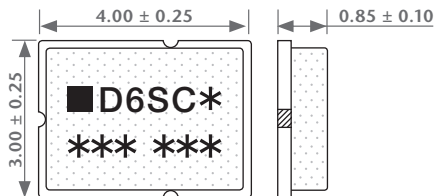
- Rechargeable power tools
- Notebook PCs
- Cordless vacuum cleaners

Features of D6SC Series

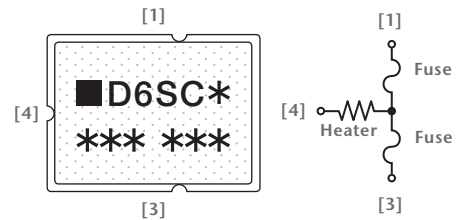
- Thin design: only 0.85 mm
- RoHS compliant
- Antimony-free
- Halogen-free



Dimensions (Unit in mm)



Wiring Diagram



Specifications

Name	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
D6SC Series	D6SC1-12	12	36	50	2.00 ± 1.00	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			1.50 ± 1.00	1	3.0 ~ 5.0	1.25 ± 20%		
	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%		

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