

Ultra-Miniature Battery Fuse SEFUSE® D6SK Series (12A)

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

Product information

SCHOTT SEFUSE® D6SK series battery fuses are extremely 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

Battery packs for

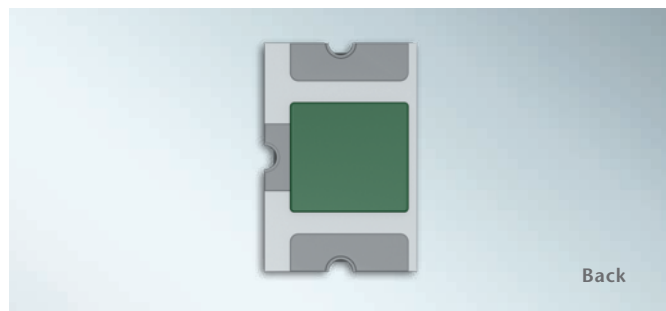
- Smartphones
- Notebook PCs
- Tablets

Features of D6SK Series

- Ultra-thin design: only 0.70 mm
- RoHS compliant
- Antimony-free
- Halogen-free

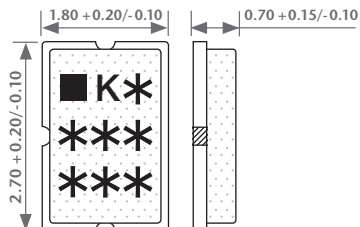


Front

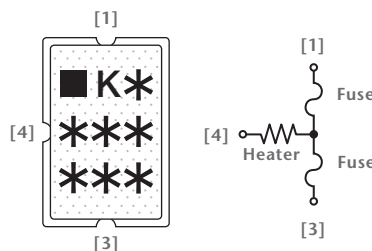


Back

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
D6SK Series	D6SK1-12	12	36	50	2.00 ± 1.00	1	3.0 ~ 5.0	1.20 ± 20%	1)*	1)*
	D6SK2-12					2	5.0 ~ 9.6	3.60 ± 15%		
	D6SK3-12					3	7.4 ~ 14.4	8.20 ± 15%		
	D6SK4-12					4	10.5 ~ 19.6	16.40 ± 15%		

1)* UL/TÜV approval pending



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