

High-Current Mini Battery Fuse SEFUSE® D6SA Series (20A/30A)

Thin and compact secondary protection for battery packs in high-current applications

Product information

SCHOTT SEFUSE® D6SA-20/30 series battery fuses are compact surface mount devices suitable for applications that require high current 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.

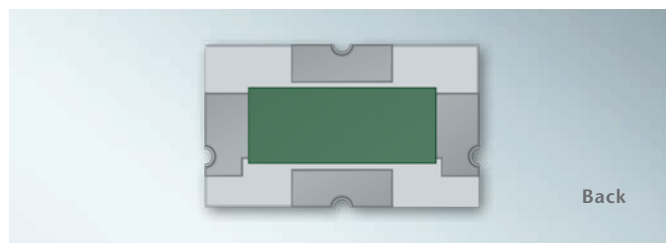
Applications

Battery packs for

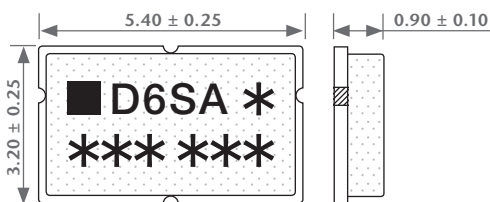
- Notebook PCs
- Rechargeable power and garden tools
- Cordless vacuum cleaners
- E-bikes

Features of D6SA-20/30 Series

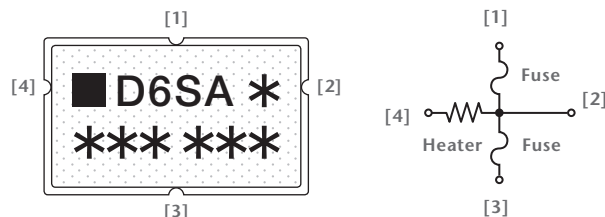
- High-rated current
- Thin and compact
- RoHS compliant
- Antimony-free
- Halogen-free



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
D6SA Series	D6SA2-20	20	36	50	0.80 ± 0.50	2	5.0 ~ 9.0	2.60 ± 20%	E357922	1)*
	D6SA3-20					3	9.9 ~ 13.5	10.20 ± 20%		
	D6SA4-20					4	13.4 ~ 18.4	18.70 ± 20%		
	D6SA5-20					5	17.1 ~ 23.5	30.40 ± 20%		
	D6SA03-30	30	62	80	0.60 ± 0.50	3	9.9 ~ 13.5	6.05 ± 20%		J50247451
	D6SA04-30					4	13.4 ~ 18.4	11.05 ± 20%		
	D6SA05-30					5	17.1 ~ 23.5	18.00 ± 20%		
	D6SA07-30					7	23.0 ~ 31.5	32.60 ± 20%		
	D6SA10-30					9 - 10	34.2 ~ 46.9	75.00 ± 15%		
	D6SA14-30					13 - 14	49.0 ~ 62.0	154.0 ± 15%		

1)* TÜV approval pending

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