

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.

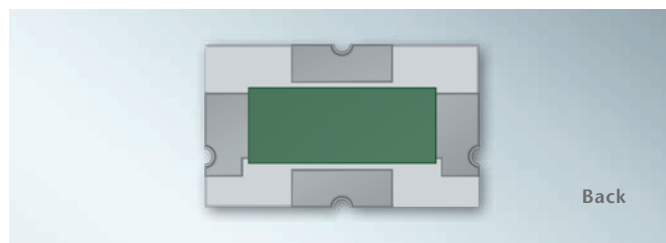
Applications

Battery packs for

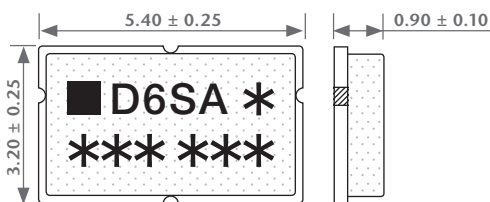
- Notebook PCs
- Rechargeable power and garden tools
- Cordless vacuum cleaners
- E-bikes

Features of D6SA-20/30 Series

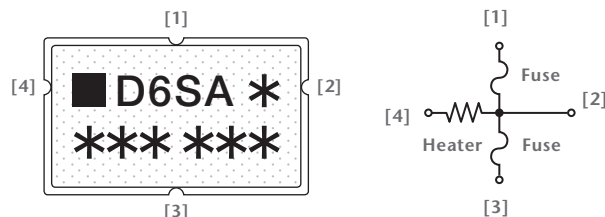
- High-rated current
- Thin and compact
- RoHS compliant
- Antimony-free
- Halogen-free



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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