

Eaton HS0814-3R8106-R

Catalog Number: HS0814-3R8106-R

Eaton HS Hybrid Supercapacitor, 3.8V, 10F, 1.5 ohm



General specifications

| | |
|-------------------------------------|-----------------|
| Product Name | Catalog Number |
| Eaton HS hybrid cell supercapacitor | HS0814-3R8106-R |
| UPC | Product Height |
| 051712018401 | 14 mm |
| Product Diameter | Product Weight |
| 10 mm | 1.7 g |
| Compliances | Certifications |
| RoHS Compliant | UL Recognized |

Product specifications

Packing

Bulk

Size

8 x 14 mm

Terminals

Through hole

Shape

Cylindrical

DC equivalent series resistance (ESR)

1.5 Ω

Operating temperature range

-15 °C to +70 °C

Series

HS

Max voltage

3.8 V

Capacitance

10 F

Leakage

2 μ A

Energy

48 J

Power

2.4 W

Peak current (1 sec)

1 A

Continuous current (15 °C rise)

0.075 A

Capacitance end of life rating

70%

ESR end of life rating

200%

Grade

Commercial

Resources

Application notes

Methods for measuring capacitance, inflow current, internal resistance and ESR

Brochures

Hybrid supercapacitors product aid

Eaton supercapacitors provide power delivery for smart metering

FAQs

Hybrid supercapacitors FAQs

Manuals and user guides

Design considerations in selecting supercapacitors

Specifications and datasheets

Eaton supercapacitor hybrid cylindrical cells data sheet

White papers

Hybrid supercapacitors combine proprietary materials to achieve greater energy density

The construction and applications of supercapacitors

The major differences between supercapacitors and batteries



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