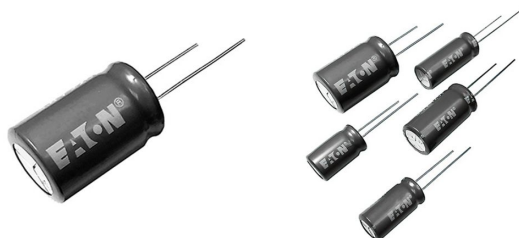


# Specifications



Photo is representative



## Eaton HS1625-3R8227-R

Eaton HS supercapacitor, Eaton HS Hybrid supercapacitor, 3.8V, 220F, 100mW

### General specifications

<b>PRODUCT NAME</b>	Eaton HS hybrid cell supercapacitor
<b>CATALOG NUMBER</b>	HS1625-3R8227-R
<b>UPC</b>	051712767668
<b>PRODUCT HEIGHT</b>	25 mm
<b>PRODUCT DIAMETER</b>	16 mm
<b>PRODUCT WEIGHT</b>	9.4 g
<b>COMPLIANCES</b>	RoHS Compliant
<b>CERTIFICATIONS</b>	UL Recognized
<b>PRODUCT TYPE</b>	Hybrid cell supercapacitor



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## Product specifications

<b>PACKING</b>	Bulk
<b>SIZE</b>	16 x 25 mm
<b>TERMINALS</b>	Through hole
<b>SHAPE</b>	Cylindrical
<b>DC EQUIVALENT SERIES RESISTANCE (ESR)</b>	0.1 $\Omega$
<b>OPERATING TEMPERATURE RANGE</b>	-15 °C to +70 °C
<b>SERIES</b>	HS
<b>MAX VOLTAGE</b>	3.8 V
<b>CAPACITANCE</b>	220 F
<b>LEAKAGE</b>	12 $\mu$ A
<b>ENERGY</b>	1054.8 J
<b>POWER</b>	36 W
<b>PEAK CURRENT (1 SEC)</b>	15.3 A
<b>CONTINUOUS CURRENT (15 °C RISE)</b>	1.1 A
<b>CAPACITANCE END OF LIFE RATING</b>	70%
<b>ESR END OF LIFE RATING</b>	200%
<b>GRADE</b>	Commercial
<b>RATED CHARGE/ DISCHARGE CURRENT</b>	1.1 A
<b>MAXIMUM DISCHARGE CURRENT</b>	8 A

## Resources

<b>BROCHURES</b>	<a href="#">Eaton supercapacitors provide power delivery for smart metering</a> <a href="#">Hybrid supercapacitors product aid</a>
<b>FAQS</b>	<a href="#">Hybrid supercapacitors FAQs</a>
<b>MANUALS AND USER GUIDES</b>	<a href="#">Methods for measuring capacitance, inflow current, internal resistance and ESR</a> <a href="#">Design considerations in selecting supercapacitors</a>
<b>SPECIFICATIONS AND DATASHEETS</b>	<a href="#">Eaton Specification Sheet - HS1625-3R8227-R</a> <a href="#">Eaton supercapacitor hybrid cylindrical cells data sheet</a>
<b>WHITE PAPERS</b>	<a href="#">The construction and applications of supercapacitors</a> <a href="#">Hybrid supercapacitors combine proprietary materials to achieve greater energy density</a> <a href="#">The major differences between supercapacitors and batteries</a>

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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