

Specifications



Eaton HS0814-3R8106-R

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

General specifications

PRODUCT NAME	Eaton HS hybrid cell supercapacitor
CATALOG NUMBER	HS0814-3R8106-R
UPC	051712018401
PRODUCT HEIGHT	14 mm
PRODUCT DIAMETER	10 mm
PRODUCT WEIGHT	1.7 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	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	The construction and applications of supercapacitors The major differences between supercapacitors and batteries Hybrid supercapacitors combine proprietary materials to achieve greater energy density

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:
