Specifications



Eaton HV0810-2R7105-R

Eaton HV supercapacitor, 2.7 V, 1 F, 0.2 Ω, CYLINDRICAL

General specifications

PRODUCT NAME	Eaton HV cylindrical cell supercapacitor
CATALOG NUMBER	HV0810-2R7105-R
UPC	051712274821
PRODUCT HEIGHT	13.5 mm
PRODUCT DIAMETER	8.5 mm
PRODUCT WEIGHT	1.2 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized
PRODUCT TYPE	Cylindrical cell supercapacitor

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Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	8 x 14 mm
TERMINALS	Through hole
SHAPE	Cylindrical
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.2 Ω
OPERATING TEMPERATURE RANGE	-40 °C to +65 °C
SERIES	HV
MAX VOLTAGE	2.7 V
CAPACITANCE	1 F
LEAKAGE	10 µ A
THERMAL RESISTANCE	120 °C/W
ENERGY	3.6 J
POWER	4.4 W
PEAK CURRENT (1 SEC)	1.1 A
CONTINUOUS CURRENT (15 °C RISE)	0.8 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	200%
GRADE	Commercial

Resources

APPLICATION NOTES	High power supercapacitors enable new power applications and replace batteries Supercapacitor soldering guidelines
BROCHURES	Eaton's electronics components portfolio overview brochure Eaton supercapacitors provide power delivery for smart metering Next-generation wireless standards are transforming global connectivity Eaton makes smart grids work infographic Supercapacitor selection guide HV Supercapacitor product profile
CROSS REFERENCES	Eaton - Maxwell supercapacitor cross reference guide
PRODUCT NOTIFICATIONS	Supercapacitor active balance design product notice Shipping change of M, PM, HV, PHV and XV supercapacitors (PCN15011m) Shipping box and external and internal label update Shelf Life of supercapacitor products product notice Logo and branding changes Supercapacitor lot code and date code change (PCN16020) HB HV supercapacitors packaging update

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	(PCN16044) Supercapacitors definition of the -R part number suffix change
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - HV0810-2R7105-R Eaton HV supercapacitor data sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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