

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 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

[Next-generation wireless standards are transforming global connectivity](#)

[Eaton makes smart grids work infographic](#)

[Eaton supercapacitors provide power delivery for smart metering](#)

[Supercapacitor selection guide](#)

[Eaton's electronics components portfolio overview brochure](#)

[HV Supercapacitor product profile](#)

CROSS REFERENCES

[Eaton - Maxwell supercapacitor cross reference guide](#)

MANUALS AND USER GUIDES

[Methods for measuring capacitance, inflow current, internal resistance and ESR](#)

[Shelf Life of supercapacitor products product notice](#)

[Supercapacitor active balance design product notice](#)

PRODUCT NOTIFICATIONS

[\(PCN15011m\) Shipping box and external and internal label update](#)

[Supercapacitor lot code and date code change](#)

[\(PCN16020\) HB HV supercapacitors packaging update](#)

[Logo and branding changes](#)

[\(PCN16044\)](#)
[Supercapacitors definition
of the -R part number
suffix change](#)

[Shipping change of M, PM,
HV, PHV and XV
supercapacitors](#)

SPECIFICATIONS AND
DATASHEETS

[Eaton HV supercapacitor
data sheet](#)

[Eaton Specification Sheet -
HV0810-2R7105-R](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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