

Specifications



Eaton HV1625-2R7256-R

Eaton HV supercapacitor, 2.7 V, 25 F, 0.027 Ω , CYLINDRICAL

General specifications

PRODUCT NAME	Eaton HV cylindrical cell supercapacitor
CATALOG NUMBER	HV1625-2R7256-R
UPC	051712275040
PRODUCT HEIGHT	28.4 mm
PRODUCT DIAMETER	16.5 mm
PRODUCT WEIGHT	7.3 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized

Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	16 x 28 mm
TERMINALS	Through hole
SHAPE	Cylindrical
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.027 Ω
OPERATING TEMPERATURE RANGE	-40 °C to +65 °C
SERIES	HV
MAX VOLTAGE	2.7 V
CAPACITANCE	25 F
LEAKAGE	45 μ A
THERMAL RESISTANCE	47 °C/W
ENERGY	91.1 J
POWER	32.4 W
PEAK CURRENT (1 SEC)	20.1 A
CONTINUOUS CURRENT (15 °C RISE)	3.4 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	200%
GRADE	Commercial

Resources

APPLICATION NOTES

[Supercapacitor soldering guidelines](#)

[High power supercapacitors enable new power applications and replace batteries](#)

BROCHURES

[Supercapacitor selection guide](#)

[Eaton makes smart grids work infographic](#)

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

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

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

[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](#)

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

PRODUCT NOTIFICATIONS

[Supercapacitor active balance design product notice](#)

[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](#)

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

**SPECIFICATIONS AND
DATASHEETS**

[Eaton HV supercapacitor
data sheet](#)

[Eaton Specification Sheet -
HV1625-2R7256-R](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc

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

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