

Specifications



Eaton PHB-5R0V255-R

Eaton PHB supercapacitor, 5.0 V, 2.5 F, 0.20Ω, Vertical Pack

General specifications

PRODUCT NAME	Eaton PHB cylindrical cell supercapacitor pack
CATALOG NUMBER	PHB-5R0V255-R
UPC	051712353717
PRODUCT LENGTH/DEPTH	21.3 mm
PRODUCT HEIGHT	23 mm
PRODUCT WIDTH	11 mm
PRODUCT WEIGHT	5 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized

Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	20.8 x 10.5 x 22.5 mm
TERMINALS	Through hole
SHAPE	Rectangular
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.2 Ω
OPERATING TEMPERATURE RANGE	-25 °C to +70 °C
SERIES	PHB
MAX VOLTAGE	5 V
CAPACITANCE	2.5 F
LEAKAGE	0 μ A
ENERGY	31.3 J
POWER	31 W
PEAK CURRENT (1 SEC)	4.2 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](#)

[Supercapacitor soldering guidelines](#)

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

BROCHURES

[Supercapacitor selection guide](#)

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

SPECIFICATIONS AND DATASHEETS

[Eaton PHB supercapacitor data sheet](#)

[Eaton Specification Sheet - PHB-5R0V255-R](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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