Specifications



Eaton PHB-5R0V505-R

Eaton PHB supercapacitor, 5.0 V, 5 F, 0.13 Ω, Vertical Pack

General specifications

PRODUCT NAME	Eaton PHB cylindrical cell supercapacitor pack
CATALOG NUMBER	PHB-5R0V505-R
UPC	051712353731
PRODUCT LENGTH/DEPTH	21.3 mm
PRODUCT HEIGHT	32.5 mm
PRODUCT WIDTH	11 mm
PRODUCT WEIGHT	7.5 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized
PRODUCT TYPE	Cylindrical cell supercapacitor pack

Powering Business Worldwide

Downloaded from Arrow.com.

Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	20.8 x 10.5 x 32 mm
TERMINALS	Through hole
SHAPE	Rectangular
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.13 Ω
OPERATING TEMPERATURE RANGE	-25 °C to +70 °C
SERIES	PHB
MAX VOLTAGE	5 V
CAPACITANCE	5 F
LEAKAGE	0 µ A
ENERGY	62.5 J
POWER	48 W
PEAK CURRENT (1 SEC)	7.6 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 Supercapacitor selection guide
MANUALS AND USER GUIDES	Methods for measuring capacitance, inflow current, internal resistance and ESR
SPECIFICATIONS AND DATASHEETS	Eaton PHB supercapacitor data sheet Eaton Specification Sheet - PHB-5R0V505-R

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

Downloaded from Arrow.com.