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 TYPE	Cylindrical cell supercapacitor pack

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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	High power supercapacitors enable new power applications and replace batteries Supercapacitor soldering guidelines
BROCHURES	Eaton's electronics components portfolio overview brochure Supercapacitor selection guide
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - PHB-5R0V255-R Eaton PHB supercapacitor data sheet

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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