Specifications



Eaton PHB-5R0V155-R

Eaton PHB supercapacitor, 5.0 V, 1.5 F, 0.33 Ω, Vertical Pack

General specifications	
PRODUCT NAME	Eaton PHB cylindrical cell supercapacitor pack
CATALOG NUMBER	PHB-5R0V155-R
UPC	051712353700
PRODUCT LENGTH/DEPTH	17.3 mm
PRODUCT HEIGHT	22 mm
PRODUCT WIDTH	9 mm
PRODUCT WEIGHT	3.3 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	16.8 x 8.5 x 21.5 mm
TERMINALS	Through hole
SHAPE	Rectangular
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.33 Ω
OPERATING TEMPERATURE RANGE	-25 °C to +70 °C
SERIES	PHB
MAX VOLTAGE	5 V
CAPACITANCE	1.5 F
LEAKAGE	0 µ A
ENERGY	18.8 J
POWER	19 W
PEAK CURRENT (1 SEC)	2.5 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	Supercapacitor selection guide Eaton's electronics components portfolio overview brochure
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-5R0V155-R

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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