Specifications



Eaton PHVL-3R9V505-R

Eaton PHVL supercapacitor, 3.9 V, 5 F, 0.065 W, vertical pack

General specifications	
PRODUCT NAME	Eaton PHVL cylindrical cell supercapacitor pack
CATALOG NUMBER	PHVL-3R9V505-R
UPC	051712812023
PRODUCT LENGTH/DEPTH	21.3 mm
PRODUCT HEIGHT	32.5 mm
PRODUCT WIDTH	11 mm
PRODUCT WEIGHT	6.7 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 32 mm
TERMINALS	Through hole
SHAPE	Rectangular
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.07 Ω
OPERATING TEMPERATURE RANGE	-40 °C to +65 °C
SERIES	PHVL
MAX VOLTAGE	3.9 V
CAPACITANCE	5 F
LEAKAGE	5 µ A
ENERGY	38.16 J
POWER	27.15 W
PEAK CURRENT (1 SEC)	7.22 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	200%
GRADE	Industrial

Resources

APPLICATION NOTES	Supercapacitor soldering guidelines High power supercapacitors enable new power applications and replace batteries
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 PHVL supercapacitor cylindrical pack data sheet Eaton Specification Sheet - PHVL-3R9V505-R

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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