Specifications



Eaton PHV-5R4V474-R

Eaton PHV supercapacitor, 5.4 V, 0.5 F, 0.300 at 1 kHz, 0.40 at 100 Hz Ω, Vertical Pack

General specifications	
PRODUCT NAME	Eaton PHV cylindrical cell supercapacitor pack
CATALOG NUMBER	PHV-5R4V474-R
UPC	051712353793
PRODUCT LENGTH/DEPTH	17.3 mm
PRODUCT HEIGHT	14.5 mm
PRODUCT WIDTH	9 mm
PRODUCT WEIGHT	2.6 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	14 x 8.5 x 16.8 mm
TERMINALS	Through hole
SHAPE	Rectangular
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.4 Ω
OPERATING TEMPERATURE RANGE	-40 °C to +65 °C
SERIES	PHV
MAX VOLTAGE	5.4 V
CAPACITANCE	0.47 F
LEAKAGE	13 µ A
ENERGY	6.9 J
POWER	18 W
PEAK CURRENT (1 SEC)	1.1 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	200%
GRADE	Industrial

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 Specification Sheet - PHV-5R4V474-R Eaton PHV supercapacitor data sheet

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.