

Specifications



Photo is representative

Eaton PB-5R0H474-R

Eaton PB supercapacitor, 5.0V, 0.47F, 1Ω, Horizontal Pack

General specifications

PRODUCT NAME	Eaton PB cylindrical cell supercapacitor pack
CATALOG NUMBER	PB-5R0H474-R
UPC	051712824538
EAN	5027590220200
PRODUCT LENGTH/DEPTH	14.5 mm
PRODUCT HEIGHT	9 mm
PRODUCT WIDTH	17.3 mm
PRODUCT WEIGHT	2.4 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized

Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Horizontal
SIZE	14 x 16.8 x 8.5 mm
TERMINALS	Through hole
SHAPE	Rectangular
DC EQUIVALENT SERIES RESISTANCE (ESR)	1 Ω
OPERATING TEMPERATURE RANGE	-25 °C to +70 °C
SERIES	PB
MAX VOLTAGE	5 V
CAPACITANCE	0.47 F
LEAKAGE	7 μ A
ENERGY	5.9 J
POWER	6.3 W
PEAK CURRENT (1 SEC)	0.8 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	300%
GRADE	Commercial

Resources

	Supercapacitor soldering guidelines
APPLICATION NOTES	High power supercapacitors enable new power applications and replace batteries
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
PRODUCT NOTIFICATIONS	Shelf Life of supercapacitor products product notice (PCN20002) Shrink Sleeve Marking Change Shipping change of M, PM, HV, PHV and XV supercapacitors (PCN15011m) Shipping box and external and internal label update B and PB supercapacitors label color change Supercapacitor lot code and date code change Supercapacitor pack construction change Logo and branding changes (PCN16044) Supercapacitors definition of the -R part number suffix change
SPECIFICATIONS AND DATASHEETS	Eaton PB supercapacitor data sheet Eaton Specification Sheet - PB-5R0H474-R

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc

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

© 2025 Eaton. All Rights Reserved.

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

