

Specifications



Eaton PB-5R0V104-R

Eaton PB supercapacitor, 5.0V, 0.1F, 4Ω, Vertical Pack

General specifications

PRODUCT NAME	Eaton PB cylindrical cell supercapacitor pack
CATALOG NUMBER	PB-5R0V104-R
UPC	051712824545
EAN	5027590220194
PRODUCT LENGTH/DEPTH	11.3 mm
PRODUCT HEIGHT	13 mm
PRODUCT WIDTH	6 mm
PRODUCT WEIGHT	1.1 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized

Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	10.5 x 5.5 x 12.5 mm
TERMINALS	Through hole
SHAPE	Rectangular
DC EQUIVALENT SERIES RESISTANCE (ESR)	4 Ω
OPERATING TEMPERATURE RANGE	-25 °C to +70 °C
SERIES	PB
MAX VOLTAGE	5 V
CAPACITANCE	0.1 F
LEAKAGE	3 μ A
ENERGY	1.3 J
POWER	1.6 W
PEAK CURRENT (1 SEC)	0.2 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	B and PB supercapacitors label color change Shelf Life of supercapacitor products product notice (PCN16044) Supercapacitors definition of the -R part number suffix change (PCN15011m) Shipping box and external and internal label update Shipping change of M, PM, HV, PHV and XV supercapacitors Logo and branding changes Supercapacitor pack construction change (PCN20002) Shrink Sleeve Marking Change Supercapacitor lot code and date code change
SPECIFICATIONS AND DATASHEETS	Eaton PB supercapacitor data sheet Eaton Specification Sheet - PB-5R0V104-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.

