

# Specifications



## Eaton PB-5R0V104-R

Eaton PB supercapacitor, 5.0V, 0.1F, 4 $\Omega$ , Vertical Pack

### General specifications

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

## Product specifications

<b>PACKING</b>	Bulk
<b>CONTACT CONFIGURATION</b>	Vertical
<b>SIZE</b>	10.5 x 5.5 x 12.5 mm
<b>TERMINALS</b>	Through hole
<b>SHAPE</b>	Rectangular
<b>DC EQUIVALENT SERIES RESISTANCE (ESR)</b>	4 $\Omega$
<b>OPERATING TEMPERATURE RANGE</b>	-25 °C to +70 °C
<b>SERIES</b>	PB
<b>MAX VOLTAGE</b>	5 V
<b>CAPACITANCE</b>	0.1 F
<b>LEAKAGE</b>	3 $\mu$ A
<b>ENERGY</b>	1.3 J
<b>POWER</b>	1.6 W
<b>PEAK CURRENT (1 SEC)</b>	0.2 A
<b>CAPACITANCE END OF LIFE RATING</b>	70%
<b>ESR END OF LIFE RATING</b>	300%
<b>GRADE</b>	Commercial

## Resources

APPLICATION NOTES	<a href="#">High power supercapacitors enable new power applications and replace batteries</a> <a href="#">Supercapacitor soldering guidelines</a>
BROCHURES	<a href="#">Eaton's electronics components portfolio overview brochure</a> <a href="#">Supercapacitor selection guide</a>
MANUALS AND USER GUIDES	<a href="#">Methods for measuring capacitance, inflow current, internal resistance and ESR</a>
PRODUCT NOTIFICATIONS	<a href="#">(PCN16044) Supercapacitors definition of the -R part number suffix change</a> <a href="#">Logo and branding changes</a> <a href="#">Supercapacitor pack construction change</a> <a href="#">Supercapacitor lot code and date code change</a> <a href="#">(PCN20002) Shrink Sleeve Marking Change</a> <a href="#">B and PB supercapacitors label color change</a> <a href="#">Shelf Life of supercapacitor products product notice</a> <a href="#">Shipping change of M, PM, HV, PHV and XV supercapacitors</a> <a href="#">(PCN15011m) Shipping box and external and internal label update</a>
SPECIFICATIONS AND DATASHEETS	<a href="#">Eaton Specification Sheet - PB-5R0V104-R</a> <a href="#">Eaton PB supercapacitor data sheet</a>

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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