

Specifications



Eaton B0810-2R5105-R

Eaton B supercapacitor, 2.5 V, 1 F, 0.5 Ω , CYLINDRICAL

General specifications

PRODUCT NAME	Eaton B cylindrical cell supercapacitor
CATALOG NUMBER	B0810-2R5105-R
UPC	051712824354
EAN	5027590220293
PRODUCT HEIGHT	13.5 mm
PRODUCT DIAMETER	8.5 mm
PRODUCT WEIGHT	1.2 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized

Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	8 x 13 mm
TERMINALS	Through hole
SHAPE	Cylindrical
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.5 Ω
OPERATING TEMPERATURE RANGE	-25 °C to +70 °C
SERIES	B
MAX VOLTAGE	2.5 V
CAPACITANCE	1 F
LEAKAGE	4 μ A
THERMAL RESISTANCE	120 °C/W
ENERGY	3.1 J
POWER	1.5 W
PEAK CURRENT (1 SEC)	0.8 A
CONTINUOUS CURRENT (15 °C RISE)	0.5 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	300%
GRADE	Commercial

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:

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](#)

PRODUCT NOTIFICATIONS

[Shelf Life of supercapacitor products product notice](#)

[\(PCN15011m\) Shipping box and external and internal label update](#)

[\(PCN16044\) Supercapacitors definition of the -R part number suffix change](#)

[Supercapacitor lot code and date code change](#)

[Logo and branding changes](#)

SPECIFICATIONS AND DATASHEETS

[B Supercapacitor data sheet](#)

[Eaton Specification Sheet - B0810-2R5105-R](#)



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