

Specifications



Eaton B1010-2R5155-R

Eaton B supercapacitor, 2.5 V, 1.5 F, 0.3 Ω ,
CYLINDRICAL

General specifications

PRODUCT NAME	Eaton B cylindrical cell supercapacitor
CATALOG NUMBER	B1010-2R5155-R
UPC	051712824385
EAN	5027590220309
PRODUCT HEIGHT	14.8 mm
PRODUCT DIAMETER	10.5 mm
PRODUCT WEIGHT	1.9 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized
PRODUCT TYPE	Cylindrical cell supercapacitor

Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	10 x 14 mm
TERMINALS	Through hole
SHAPE	Cylindrical
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.3 Ω
OPERATING TEMPERATURE RANGE	-25 °C to +70 °C
SERIES	B
MAX VOLTAGE	2.5 V
CAPACITANCE	1.5 F
LEAKAGE	7 μ A
THERMAL RESISTANCE	112 °C/W
ENERGY	4.7 J
POWER	2.5 W
PEAK CURRENT (1 SEC)	1.3 A
CONTINUOUS CURRENT (15 °C RISE)	0.7 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	300%
GRADE	Commercial

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:

Resources

	Supercapacitor soldering guidelines
APPLICATION NOTES	High power supercapacitors enable new power applications and replace batteries
BROCHURES	Eaton's electronics components portfolio overview brochure Supercapacitor selection guide
MANUALS AND USER GUIDES	Methods for measuring capacitance, inflow current, internal resistance and ESR
PRODUCT NOTIFICATIONS	Logo and branding changes (PCN16044) Supercapacitors definition of the -R part number suffix change (PCN15011m) Shipping box and external and internal label update Shelf Life of supercapacitor products product notice Supercapacitor lot code and date code change
SPECIFICATIONS AND DATASHEETS	B Supercapacitor data sheet Eaton Specification Sheet - B1010-2R5155-R



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