Specifications



Eaton B0820-2R5225-R

Eaton B supercapacitor, 2.5 V, 2.2 F, 0.2 Ω, CYLINDRICAL

General specifications

PRODUCT NAME	Eaton B cylindrical cell supercapacitor
CATALOG NUMBER	B0820-2R5225-R
UPC	051712824361
EAN	5027590220316
PRODUCT HEIGHT	21 mm
PRODUCT DIAMETER	8.5 mm
PRODUCT WEIGHT	1.5 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized
PRODUCT TYPE	Cylindrical cell supercapacitor

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Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	8 x 20 mm
TERMINALS	Through hole
SHAPE	Cylindrical
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.2 Ω
OPERATING TEMPERATURE RANGE	-25 °C to +70 °C
SERIES	B
MAX VOLTAGE	2.5 V
CAPACITANCE	2.2 F
LEAKAGE	9 µ A
THERMAL RESISTANCE	76 °C/W
ENERGY	6.9 J
POWER	3.8 W
PEAK CURRENT (1 SEC)	1.9 A
CONTINUOUS CURRENT (15 °C RISE)	1 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	300%
GRADE	Commercial

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
PRODUCT NOTIFICATIONS	Shelf Life of supercapacitor products product notice (PCN16044) Supercapacitors definition of the -R part number suffix change Logo and branding changes (PCN15011m) Shipping box and external and internal label update Supercapacitor lot code and date code change
SPECIFICATIONS AND DATASHEETS	B Supercapacitor data sheet Eaton Specification Sheet - B0820-2R5225-R

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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