Specifications



Eaton M1020-2R5305-R

Eaton M supercapacitor, 2.5 V, 3 F, 0.050 Ω, CYLINDRICAL

General specifications	
PRODUCT NAME	Eaton M cylindrical cell supercapacitor
CATALOG NUMBER	M1020-2R5305-R
UPC	051712207829
PRODUCT HEIGHT	21 mm
PRODUCT DIAMETER	10.5 mm
PRODUCT WEIGHT	2.8 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized
PRODUCT TYPE	Cylindrical cell supercapacitor

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Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	10 x 22 mm
TERMINALS	Through hole
SHAPE	Cylindrical
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.05 Ω
OPERATING TEMPERATURE RANGE	-40 °C to +60 °C
SERIES	M
MAX VOLTAGE	2.5 V
CAPACITANCE	3 F
LEAKAGE	0 µ A
THERMAL RESISTANCE	73 °C/W
ENERGY	9.4 J
POWER	15 W
PEAK CURRENT (1 SEC)	3.3 A
CONTINUOUS CURRENT (15 °C RISE)	2 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	200%
GRADE	Commercial

Resources

APPLICATION NOTES	Supercapacitor soldering guidelines High power supercapacitors enable new power applications and replace batteries
BROCHURES	Supercapacitor selection guide Eaton's electronics components portfolio overview brochure
PRODUCT NOTIFICATIONS	Logo and branding changes (PCN16044) Supercapacitors definition of the -R part number suffix change Shipping change of M, PM, HV, PHV and XV supercapacitors Supercapacitor active balance design product notice (PCN15011m) Shipping box and external and internal label update Shelf Life of supercapacitor products product notice
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - M1020-2R5305-R Eaton M supercapacitor data sheet

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PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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