Specifications



Eaton TV1020-3R0605-R

Eaton TV supercapacitor, 3.0 V, 6 F, 0.035 Ω, CYLINDRICAL

General specifications	
PRODUCT NAME	Eaton TV cylindrical cell supercapacitor
CATALOG NUMBER	TV1020-3R0605-R
UPC	051712688185
PRODUCT HEIGHT	22.3 mm
PRODUCT DIAMETER	10.5 mm
PRODUCT WEIGHT	2.3 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 20 mm
TERMINALS	Through hole
SHAPE	Cylindrical
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.035 Ω
OPERATING TEMPERATURE RANGE	-40 °C to +65 °C
SERIES	TV
MAX VOLTAGE	3 V
CAPACITANCE	6 F
LEAKAGE	13 µ A
THERMAL RESISTANCE	73 °C/W
ENERGY	27 J
POWER	32.15 W
PEAK CURRENT (1 SEC)	7.4 A
CONTINUOUS CURRENT (15 °C RISE)	2.4 A
CAPACITANCE END OF LIFE RATING	70%
ESR END OF LIFE RATING	200%
GRADE	Industrial

Resources

APPLICATION NOTES	High power supercapacitors enable new power applications and replace batteries Supercapacitor soldering guidelines
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
SPECIFICATIONS AND DATASHEETS	Eaton TV supercapacitor data sheet Eaton Specification Sheet - TV1020-3R0605-R

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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