

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 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

[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](#)

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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