

# Specifications



## Eaton TV1020-3R0605-R

Eaton TV supercapacitor, 3.0 V, 6 F, 0.035  $\Omega$ , CYLINDRICAL

### General specifications

<b>PRODUCT NAME</b>	Eaton TV cylindrical cell supercapacitor
<b>CATALOG NUMBER</b>	TV1020-3R0605-R
<b>UPC</b>	051712688185
<b>PRODUCT HEIGHT</b>	22.3 mm
<b>PRODUCT DIAMETER</b>	10.5 mm
<b>PRODUCT WEIGHT</b>	2.3 g
<b>COMPLIANCES</b>	RoHS Compliant
<b>CERTIFICATIONS</b>	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 $\Omega$
OPERATING TEMPERATURE RANGE	-40 °C to +65 °C
SERIES	TV
MAX VOLTAGE	3 V
CAPACITANCE	6 F
LEAKAGE	13 $\mu$ 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:



### Eaton Corporation plc

Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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