Specifications



Eaton TV1030-3R0106-R

Eaton TV supercapacitor, 3.0 V, 10 F, 0.026 Ω, CYLINDRICAL

General specifications

PRODUCT NAME	Eaton TV cylindrical cell supercapacitor
CATALOG NUMBER	TV1030-3R0106-R
UPC	051712545501
PRODUCT HEIGHT	31.5 mm
PRODUCT DIAMETER	10.5 mm
PRODUCT WEIGHT	3.2 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized

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Product specifications

PACKING	Bulk
CONTACT CONFIGURATION	Vertical
SIZE	10 x 30 mm
TERMINALS	Through hole
SHAPE	Cylindrical
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.026 Ω
OPERATING TEMPERATURE RANGE	-40 °C to +65 °C
SERIES	TV
MAX VOLTAGE	3 V
CAPACITANCE	10 F
LEAKAGE	25 µ A
THERMAL RESISTANCE	40 °C/W
ENERGY	45 J
POWER	43.25 W
PEAK CURRENT (1 SEC)	11.9 A
CONTINUOUS CURRENT (15 °C RISE)	3.8 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 Eaton makes smart grids work infographic Next-generation wireless standards are transforming global connectivity
CROSS REFERENCES	Eaton - Maxwell supercapacitor cross reference guide
MANUALS AND USER GUIDES	Methods for measuring capacitance, inflow current, internal resistance and ESR
PRODUCT NOTIFICATIONS	(PCN16044) Supercapacitors definition of the -R part number suffix change Logo and branding changes (PCN15011m) Shipping box and external and internal label update Shelf Life of supercapacitor products product notice
SPECIFICATIONS AND DATASHEETS	Eaton TV supercapacitor data sheet Eaton Specification Sheet - TV1030-3R0106-R

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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