

Specifications

Eaton TV1030-3R0106-R

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

General specifications

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| 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 |
| PRODUCT TYPE | Cylindrical cell supercapacitor |

Product specifications

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| 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

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| APPLICATION NOTES | High power supercapacitors enable new power applications and replace batteries Supercapacitor soldering guidelines |
| BROCHURES | Supercapacitor selection guide Eaton's electronics components portfolio overview brochure 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 Shelf Life of supercapacitor products product notice |
| 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 |
| SPECIFICATIONS AND DATASHEETS | Eaton TV supercapacitor data sheet Eaton Specification Sheet - TV1030-3R0106-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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