

Specifications



Photo is representative

Eaton XL60-2R7308T-R

Eaton XL60 supercapacitor, Capacitance 3000 F, 2.7 V, 0.23mΩ ESR, Threaded Terminal

General specifications

PRODUCT NAME	Eaton XL60 medium and large cells supercapacitor
CATALOG NUMBER	XL60-2R7308T-R
UPC	051712516419
PRODUCT HEIGHT	138 mm
PRODUCT DIAMETER	60 mm
PRODUCT WEIGHT	515 g
COMPLIANCES	RoHS Compliant
CERTIFICATIONS	UL Recognized

Product specifications

SPECIAL FEATURES	Threaded
TYPE	Single cell
CAPACITANCE	3000 F
PACKING	Bulk
SIZE	60 x 138 mm
TERMINALS	T-terminal
SHAPE	Cylindrical
DC EQUIVALENT SERIES RESISTANCE (ESR)	0.23 mΩ
OPERATING TEMPERATURE RANGE	-40 °C to +65 °C
SERIES	XL60
MAX VOLTAGE	2.7 V
CAPACITANCE	3000 F
LEAKAGE	5 mA
THERMAL RESISTANCE	3.2 °C/W
ENERGY	10800 J
POWER	7.9 kW
PEAK CURRENT (1 SEC)	2400 A
CONTINUOUS CURRENT (15 °C RISE)	143 A
CAPACITANCE END OF LIFE RATING	80%
ESR END OF LIFE RATING	200%
GRADE	Industrial

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:

Resources

BROCHURES

[Eaton's electronics components portfolio overview brochure](#)

[Eaton supercapacitors provide reliable start-up for engine design](#)

CROSS REFERENCES

[Eaton - Maxwell supercapacitor cross reference guide](#)

[Design considerations in selecting supercapacitors](#)

MANUALS AND USER GUIDES

[XL60 Technical note: Integration kit and assembly instructions](#)

[XL60 Supercapacitor terminal connection guide](#)

PRODUCT NOTIFICATIONS

[\(PCN16044\) Supercapacitors definition of the -R part number suffix change](#)

[Logo and branding changes](#)

[\(PCN21022\) XL60 Vent Change](#)

[\(PCN15011m\) Shipping box and external and internal label update](#)

SPECIFICATIONS AND DATASHEETS

[Eaton Specification Sheet - XL60-2R7308T-R](#)

[Eaton XL60 supercapacitor data sheet](#)



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