TDK

June 2021

Electric Double Layer Capacitor

(EDLC/Super Capacitor)

EDLC381420 series

EDLC381420-501-2F-70 **500mF**

Electric Double Layer Capacitor
(EDLC/Super Capacitor)

Product compatible with RoHS directive

Overview of EDLC381420 series

FEATURES

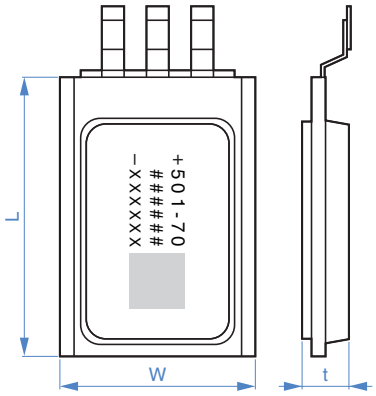
- High capacitance and low impedance.
- Thin small size.
- Long-life.
- Clean materials.
- Safety.

APPLICATION

- Battery assistance
- Storage element of energy harvesting
- Strong LED flash
- Backup application for instantaneous power failures

PART NUMBER CONSTRUCTION

EDLC	38	14	20	-	501	-	2F	-	70
Series name	Thickness dimensions t	Width dimensions W	Vertical dimensions L (Not including the lead length)		Data capacity (mF)		Number of series and voltage		Impedance
					501 | 500				

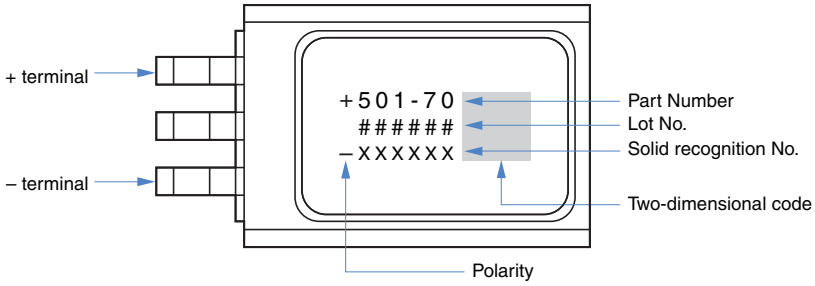


RoHS Directive Compliant Product: See the following for more details. https://product.tdk.com/info/en/environment/rohs/index.html

⚠ Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use.
Please note that the contents may change without any prior notice due to reasons such as upgrading.

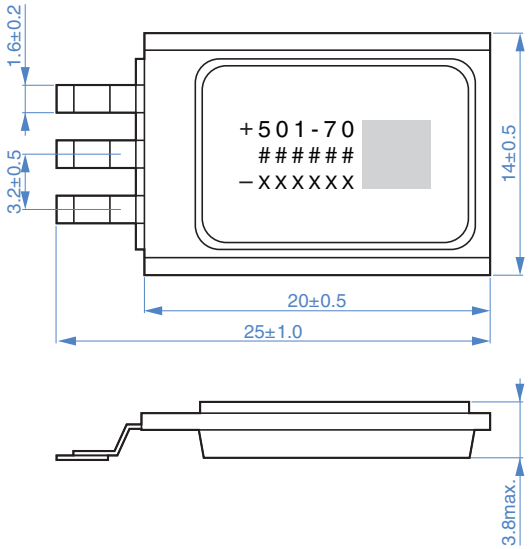
EDLC381420 series

PRODUCT INDICATION





SHAPE & DIMENSIONS



Dimensions in mm

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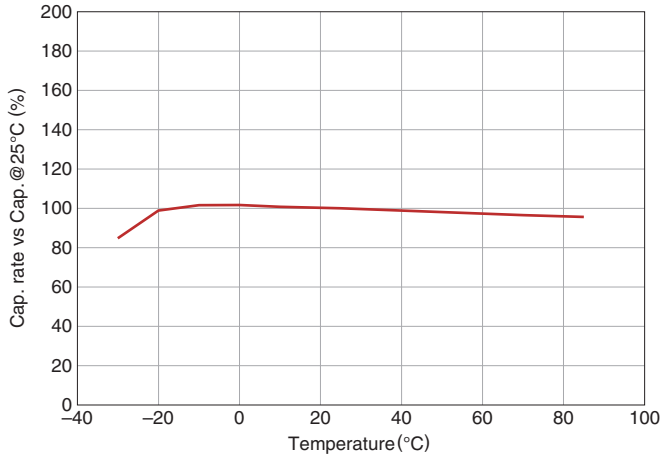
EDLC381420 series

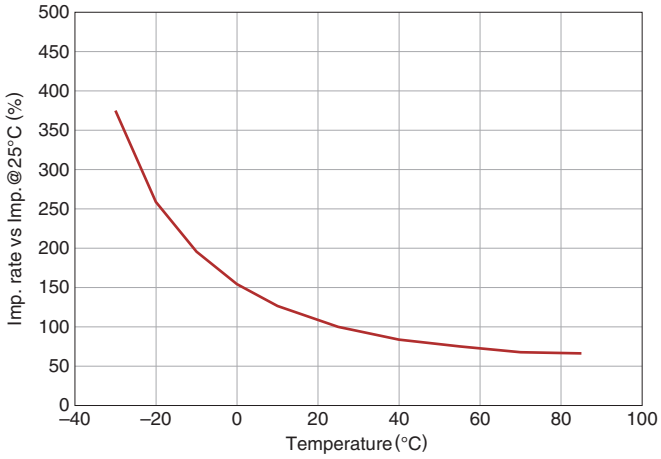
■ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLES

Part No.	Nominal capacitance (mF)typ.	Nominal Impedance [AC 1kHz] (mΩ)typ.	Operating voltage continuous (V)	peak (V)
EDLC381420-501-2F-70	500	70	3.2	4.2

□EXAMPLE OF THERMAL CHARACTERISTICS





・The graph of THERMAL CHARACTERISTICS mentioned above shows the typical behavior of the product, and does not show the guarantee values.
・It is a value for standard temperature 25°C.

■TEMPERATURE RANGE

Part No.	Temperature range	
	Operating temperature (°C)	Storage temperature (°C)
EDLC381420-501-2F-70	–30 to +85°C	–40 to +85°C

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