



Electric Double Layer Capacitor

(EDLC/Super Capacitor)

EDLC371420 series

EDLC371420-501-2F-50

500mF

Caution

The products in this catalog will be or have been stopped production

| | |
|--------------------------|---------------|
| Discontinue Issue Date | Dec. 14, 2022 |
| Last Purchase Order Date | Sep. 30, 2023 |
| Last Shipment Date | Sep. 30, 2024 |

Electric Double Layer Capacitor (EDLC/Super Capacitor)

Product compatible with RoHS directive

Overview of EDLC371420 series

FEATURES

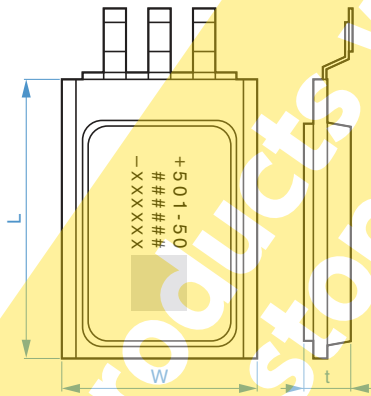
- High capacitance and low impedance.
- Thin small size.
- Long-life.
- Clean materials.
- Safety.

APPLICATION

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

PART NUMBER CONSTRUCTION

| | | | | | | | | | |
|-------------|------------------------|--------------------|--|---|--------------------|---|------------------------------|---|-----------|
| EDLC | 37 | 14 | 20 | - | 501 | - | 2F | - | 50 |
| 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 | | | | |

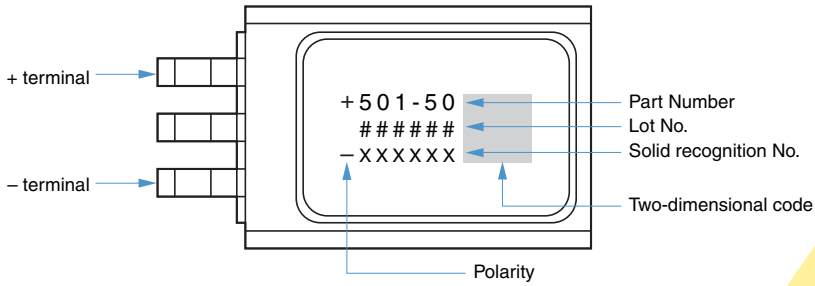


RoHS Directive Compliant Product. See the following for more details. <https://product.tdk.com/info/en/environment/rohs/index.html>

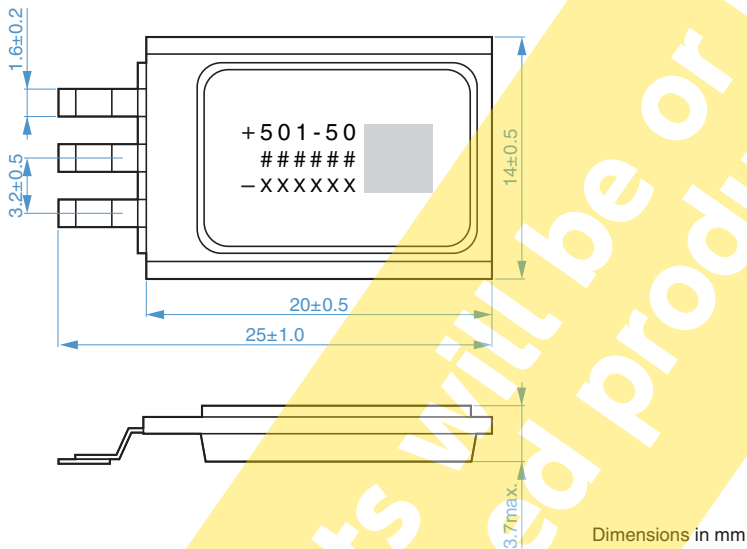
Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

EDLC371420 series

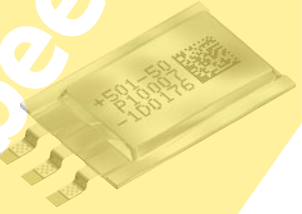
PRODUCT INDICATION



SHAPE & DIMENSIONS



The products will be or have been stopped production



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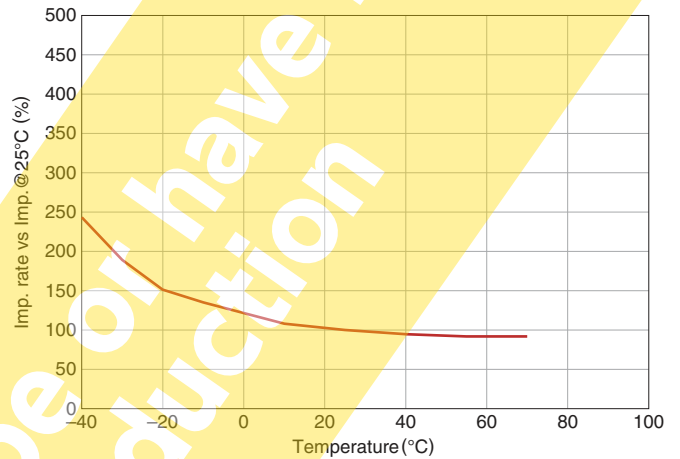
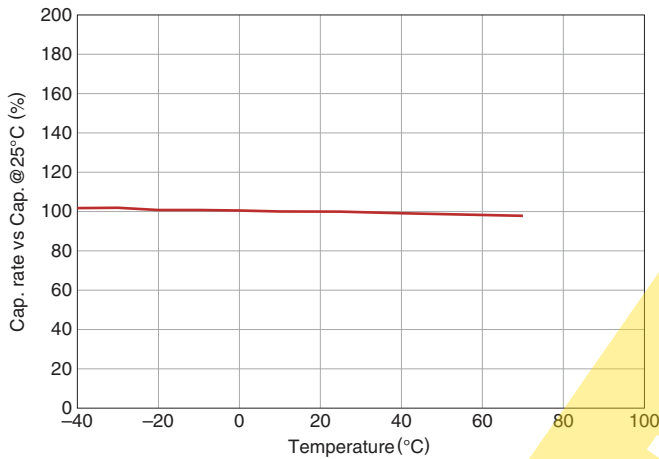
EDLC371420 series

ELECTRICAL CHARACTERISTICS

CHARACTERISTICS SPECIFICATION TABLES

| Part No. | Nominal capacitance | Nominal Impedance | Operating voltage | |
|----------------------|---------------------|-----------------------|-------------------|-------------|
| | (mF)typ. | [AC 1kHz] (mΩ)typ. | continuous (V) | peak (V) |
| EDLC371420-501-2F-50 | 500 | 40 | 4.2 | 5.5 |

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) |
| EDLC371420-501-2F-50 | -40 to +70°C | -40 to +85°C |