



Electric Double Layer Capacitor

(EDLC/Super Capacitor)

EDLC041720 Series

| | |
|----------------------|------|
| EDLC041720-050-2F-13 | 5mF |
| EDLC041720-100-2F-13 | 10mF |
| EDLC041720-150-2F-13 | 15mF |

Caution

Products in this catalog are in preparation for mass production.

Electric Double Layer Capacitor (EDLC/Super Capacitor)

Product compatible with RoHS directive

Overview of EDLC041720 Series

FEATURES

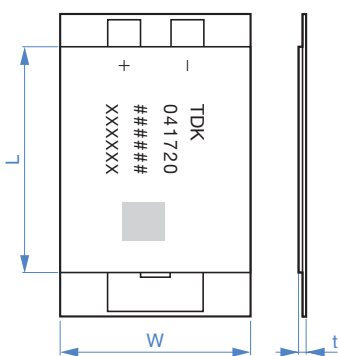
- High capacitance and low impedance.
- Very thin small size.
- High bending strength.
- Long-life.
- Clean materials.
- safety
- Compliant with ISO standards (dimensions, bending, torsion tests)

APPLICATION

- Secondary power supply it has built-in in an IC card
- Storage element of energy harvesting

PART NUMBER CONSTRUCTION

| | | | | | | | | | |
|-------------|-----------------------|--------------------|-----------------------|---|--------------------|---|------------------------------|---|-----------|
| EDLC | 04 | 17 | 20 | - | 050 | - | 2F | - | 13 |
| Series name | Thickness dimensionst | Width dimensions W | Vertical dimensions L | | Data capacity (mF) | | Number of series and voltage | | Impedance |
| | | | | | 050 5 | | | | |
| | | | | | 100 10 | | | | |
| | | | | | 150 15 | | | | |

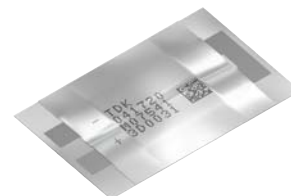
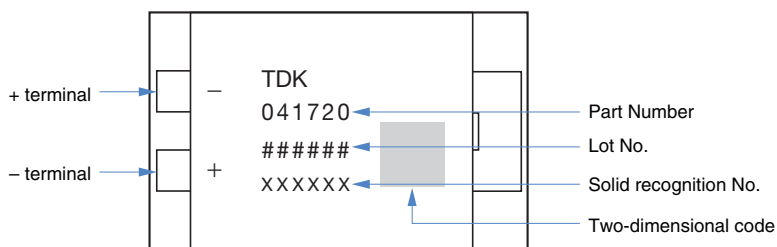


RoHS Directive Compliant Product: See the following for more details. <https://product.tdk.com/info/en/environment/rohs/index.html>

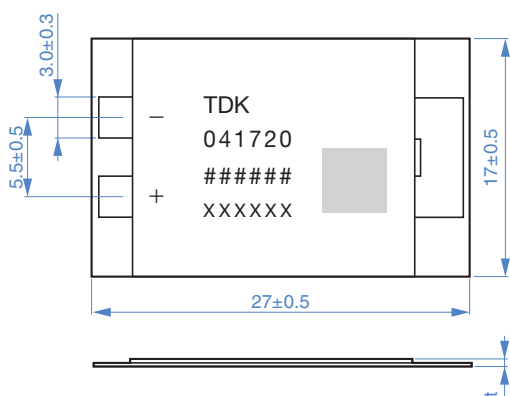
⚠ Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.

EDLC041720 Series

PRODUCT INDICATION



SHAPE & DIMENSIONS



| Capacitance | t |
|-------------|----------|
| 5mF | 0.45max. |
| 10mF | 0.50max. |
| 15mF | 0.50max. |

Dimensions in mm

Not suitable to connect by soldering. Recommend to connect by anisotropic conductive materials (film, paste etc.)

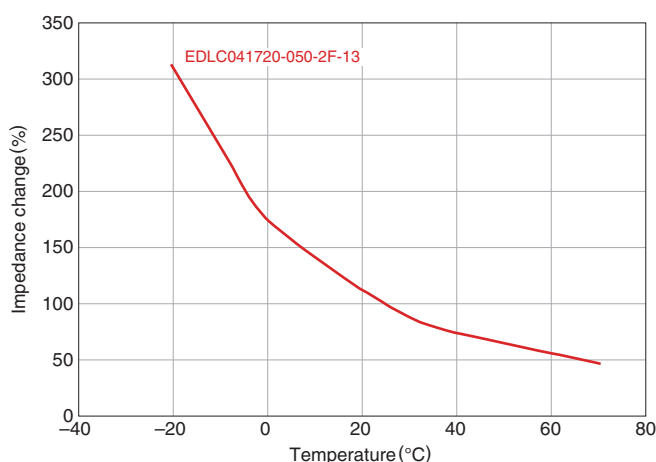
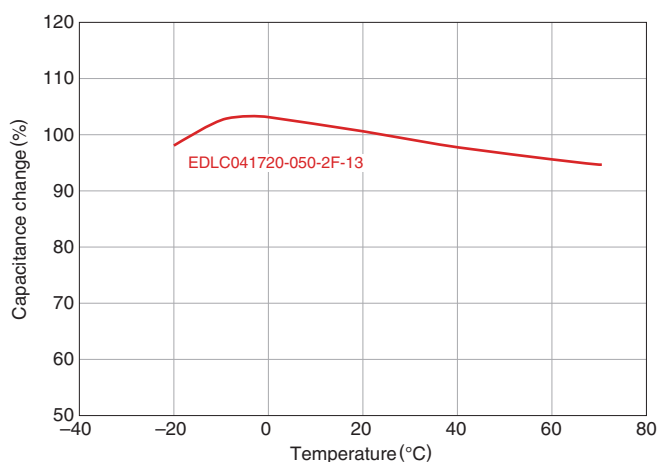
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ELECTRICAL CHARACTERISTICS

CHARACTERISTICS SPECIFICATION TABLES

| Part No. | Nominal capacitance (mF)typ. | Nominal Impedance [AC 1kHz] (Ω)typ. | Operating voltage continuous (V) | peak (V) |
|----------------------|---------------------------------|---|--|-------------|
| EDLC041720-050-2F-13 | 5 | 7 | 3.2 | 5.0 |
| EDLC041720-100-2F-13 | 10 | | | |
| EDLC041720-150-2F-13 | 15 | | | |

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) |
| EDLC041720-050-2F-13 | -20 to +60°C | -20 to +60°C |
| EDLC041720-100-2F-13 | | |
| EDLC041720-150-2F-13 | | |