

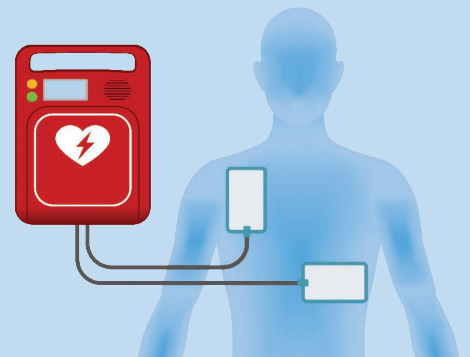
Product Brief 2020

MKP Film Capacitors

For Defibrillator Applications

The MKP film capacitors of the product series B32365 can be used in defibrillation devices. The compact design, applied technologies and construction meet the typical technical requirements for AED (Automated External Defibrillator) devices as well as for professional models. The MKP capacitors support monophasic and biphasic designs.

The capacitors are available from 30 up to 200 μF and are suitable for voltages up to 5500 V DC.



MKP Film Capacitors For Defibrillator Applications



Technical data

Construction

- Metallized polypropylene capacitor
- Self-healing capability
- Polyurethane or epoxy resin sealing
- Plastic or metal case
- Special designs to meet the reliability demands of medical devices

Features

- Compact size
- Cylindrical and oval design
- Life expectancy: up to 10 000 cycles
- Maximum working temperature: +55 °C
- Temperature category: +40 °C/93%/56 days
- Energy range: 16 up to 529 Joules
- Low leakage current
- High charge and discharge pulse capability

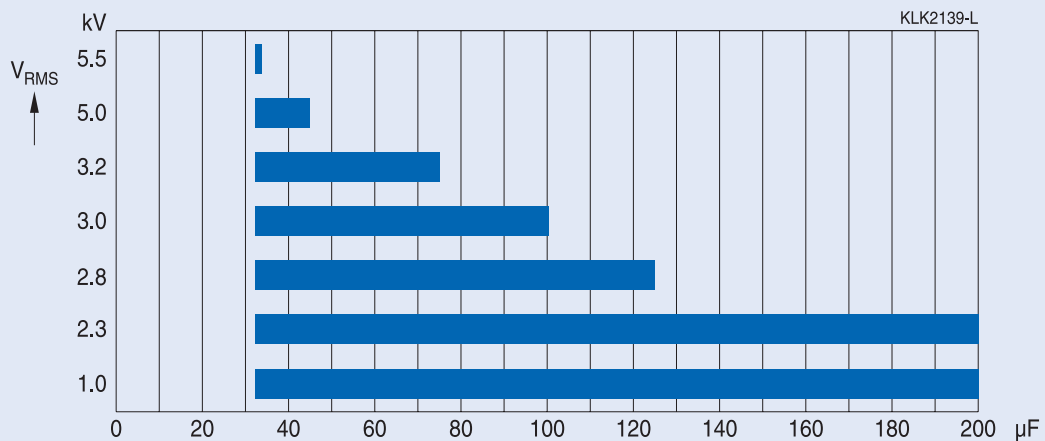
Application

- AED automated external defibrillator and manual defibrillator

Terminals

- Silicone rubber cables 22 AWG / 15 kV DC / +150 °C
- Terminals design upon request

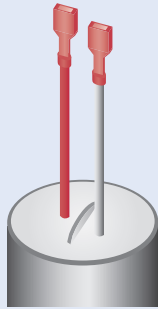
Capacitance range – B32365* product series



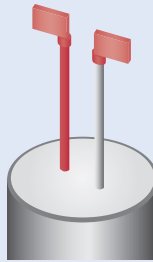
MKP Film Capacitors For Defibrillator Applications

Terminal cable options

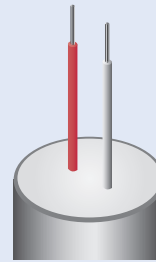
Straight faston



Flag faston



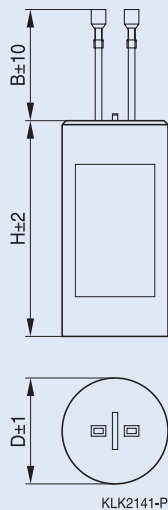
Stripped



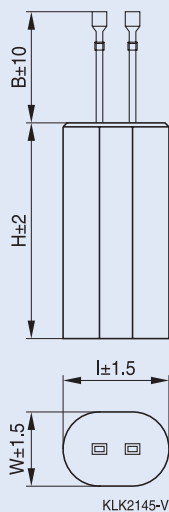
KLK2144-M

Designs available

Cylindrical housing

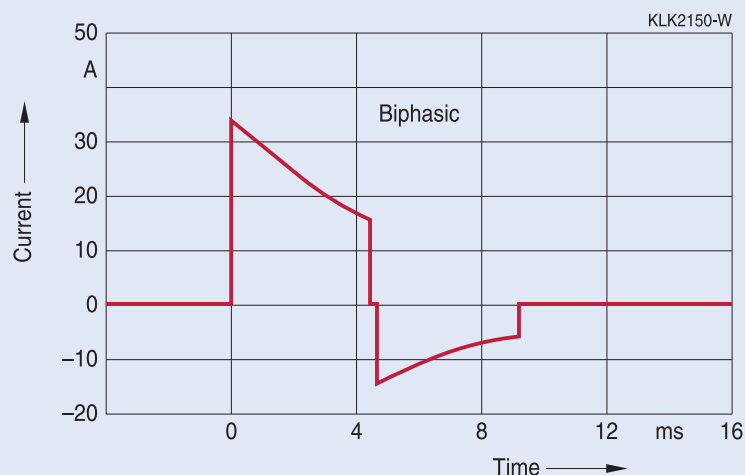
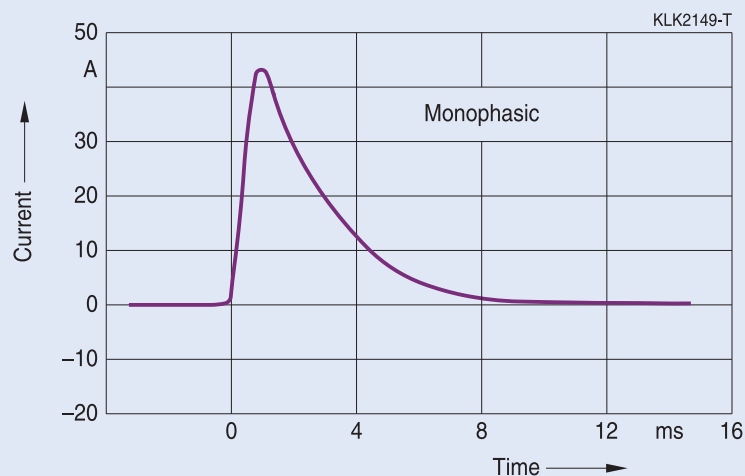


Oval housing (upon request)



MKP Film Capacitors For Defibrillator Applications

Discharge modes



Before using the capacitors in medical applications, please read the information in the Important Notes carefully and contact your local TDK Electronics sales organization. Further useful details can be found at <https://www.tdk-electronics.tdk.com/en/530500/products/product-catalog/important-notes>

Important information: Some parts of this publication contain statements about the suitability of our products for certain areas of application. These statements are based on our knowledge of typical requirements that are often placed on our products. We expressly point out that these statements cannot be regarded as binding statements about the suitability of our products for a particular customer application. It is incumbent on the customer to check and decide whether a product is suitable for use in a particular application. This publication is only a brief product survey which may be changed from time to time. Our products are described in detail in our data sheets. The *Important notes* (www.tdk-electronics.tdk.com/ImportantNotes) and the product-specific *Cautions and warnings* must be observed. All relevant information is available through our sales offices.

TDK also point out that in individual cases, a malfunction of electronic components or failure before the end of their usual service life cannot be completely ruled out in the current state of the art, even if they are operated as specified. In customer applications requiring a very high level of operational safety and especially in customer applications in which the malfunction or failure of an electronic component could endanger human life or health (e.g. in accident prevention or life-saving systems), it must therefore be ensured by means of suitable design of the customer application or other action taken by the customer (e.g. installation of protective circuitry or redundancy) that no injury or damage is sustained by third parties in the event of malfunction or failure of an electronic component.