

# **Aluminum Electrolytic Capacitors**

## **Snap-in capacitors – Overview**

Date: June 2017

© EPCOS AG 2017. Reproduction, publication and dissemination of this publication, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited.

EPCOS AG is a TDK Group Company.

## Overview

| Upper category temperature °C | Series | Useful life h | Features  | Applications   | V <sub>R</sub><br>V DC | C <sub>R</sub><br>μF | Page |
|-------------------------------|--------|---------------|---|--|------------------------|----------------------|------|
| +85                           | B41231 | > 2000        | Standard, high ripple current capability  | Professional power supplies  | 10 ...<br>100          | 1200 ...<br>68000    |      |
|                               | B43630 | > 2000        | Ultra compact, 105 °C operation under voltage derating  | Frequency converters, solar inverters, uninterruptible                       | 200 ...<br>450         | 100 ...<br>3300      |      |
|                               | B43624 | > 8000        | Long useful life, high ripple current capability, 105 °C operation under voltage derating   | power supplies, professional power supplies, medical appliances, white goods | 200 ...<br>450         | 56 ...<br>2200       |      |
|                               | B43634 | > 8000        | Long useful life, ultra compact, high ripple current capability, 105 °C operation under voltage derating                          |  | 200 ...<br>450         | 82 ...<br>2700       |      |
|                               | B43541 | > 8000        | Outstanding ripple current capability, high voltage, base cooling available upon request, 105 °C operation under voltage derating |  | 200 ...<br>600         | 47 ...<br>2200       |      |

## Overview

| Upper category temperature °C | Series | Useful life h | Features  | Applications   | V <sub>R</sub><br>V DC | C <sub>R</sub><br>μF | Page |
|-------------------------------|--------|---------------|---|--|------------------------|----------------------|------|
| +105                          | B41252 | > 2000        | Standard, high ripple current capability  | Professional power supplies  | 10 ...<br>100          | 820 ...<br>56000     |      |
|                               | B41505 | > 5000        | Excellent performance, outstanding ripple current capability, low ESR               |  | 10 ...<br>100          | 560 ...<br>33000     |      |
|                               | B43640 | > 2000        | Ultra compact, high ripple current capability                                       | Frequency converters, solar inverters, uninterruptible power supplies, professional power supplies, medical appliances | 200 ...<br>450         | 82 ...<br>3300       |      |
|                               | B43641 | > 2000        | Ultra compact, high ripple current capability                                       |  | 400 ...<br>450         | 120 ...<br>1200      |      |
|                               | B43509 | > 3000        | Compact, high ripple current capability   |  | 200 ...<br>450         | 56 ...<br>2700       |      |
|                               | B43642 | > 3000        | Ultra compact, very high ripple current capability                                  |  | 200 ...<br>450         | 82 ...<br>3300       |      |
|                               | B43643 | > 3000        | Ultra compact, high ripple current capability                                       |  | 200 ...<br>450         | 100 ...<br>3300      |      |
|                               | B43644 | > 5000        | Ultra compact, long useful life, high ripple current capability                     |  | 200 ...<br>500         | 47 ...<br>2700       |      |
|                               | B43544 | > 3000        | Outstanding ripple current capability, compact, base cooling available upon request |  | 200 ...<br>550         | 47 ...<br>2700       |      |

## Overview

| Upper category temperature °C | Series | Useful life h | Features   | Applications   | V <sub>R</sub><br>V DC | C <sub>R</sub><br>µF | Page |
|-------------------------------|--------|---------------|--|--|------------------------|----------------------|------|
| +105                          | B43545 | > 5000        | Outstanding ripple current capability, compact, low ESR, long useful life, base cooling available upon request | Frequency converters, solar inverters, uninterruptible power supplies, professional power supplies, medical appliances | 400 ...<br>450         | 82 ...<br>820        |      |
|                               | B43547 | > 8000        | Outstanding ripple current, compact, very low ESR, very long useful life, base cooling available upon request  |  | 200 ...<br>500         | 56 ...<br>2200       |      |