

Aluminum Electrolytic Capacitors

Capacitors with screw terminals – Overview

Series/Type:

Date: February 2021

Capacitors with screw terminals

Overview

Upper category temperature °C	Series	Useful life h	Features	Applications	V _R V DC	C _R μF
Low-voltage series (B41...)						
+85	B41456 B41458	> 12000	Compact, long useful life	Professional power supplies	16 ... 100	10000 ... 68000
+105	B41560 B41580	> 3000	Very compact, high ripple current	Professional power supplies	25 ... 100	6800 ... 330000
High-voltage series (B43...)						
+85	B43701 B43721	> 5000	Standard	Uninterruptible power supplies, frequency converters	350 ... 450	1200 ... 12000
	B43712 B43732	> 10000	Long useful life	Frequency converters,	350 ... 450	1000 ... 18000
	B43703 B43723	> 12000	Very compact	wind power converters,	350 ... 500	1000 ... 22000
	B43707 B43727	> 12000	Ultra compact	solar inverters,	400 ... 450	1800 ... 18000
	B43704 B43724	> 12000	High ripple current	uninterruptible power supplies,	350 ... 550	820 ... 22000
	B43705 B43725	> 12000	Outstanding ripple current	professional power supplies	350 ... 450	1000 ... 18000
	B43706 B43726	> 12000	Outstanding ripple current		400 ... 500	820 ... 15000
	B43713 B43733	> 15000	Very long useful life, high ripple current		200 ... 500	820 ... 33000
	B43700 B43720	> 8000	High voltage, high ripple current		550 ... 600	680 ... 10000
+105	B43742 B43762	> 5000	Standard	Power electronics,	350 ... 500	820 ... 22000
	B43743 B43763	> 6000	Very high ripple current	traction, professional power supplies	350 ... 500	1000 ... 18000

Accessories (ring clips, screws, cap nuts, insulating parts)

Important notes

The following applies to all products named in this publication:

1. 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 in the areas of application concerned. We nevertheless expressly point out **that such statements cannot be regarded as binding statements about the suitability of our products for a particular customer application**. As a rule, we are either unfamiliar with individual customer applications or less familiar with them than the customers themselves. For these reasons, it is always ultimately incumbent on the customer to check and decide whether a product with the properties described in the product specification is suitable for use in a particular customer application.
2. We 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.
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Important notes

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