



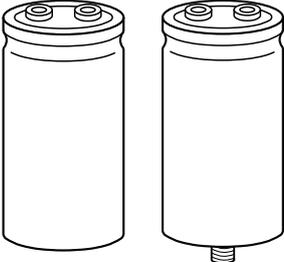
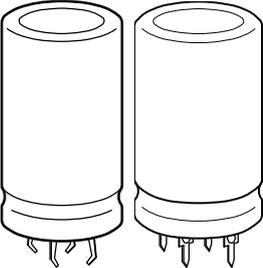
Aluminum Electrolytic Capacitors

Overview of types

Date: February 2021

Aluminum Electrolytic Capacitors

Overview of types

Terminal style	Series	Upper category temperature °C	Features	V _R V DC	C _R μF	
Screw terminals 	Low-voltage series (B41...)					
	B41456 B41458	+85	Compact, long useful life	16 ... 100	10000 ... 68000	
	B41560 B41580	+105	Very compact, high ripple current	25 ... 100	6800 ... 330000	
	High-voltage series (B43...)					
	B43701 B43721	+85	Standard	350 ... 450	1200 ... 12000	
	B43712 B43732		Long useful life	350 ... 450	1000 ... 18000	
	B43703 B43723		Very compact	350 ... 500	1000 ... 22000	
	B43707 B43727		Ultra compact	400 ... 450	1800 ... 18000	
	B43704 B43724		High ripple current	350 ... 550	820 ... 22000	
	B43705 B43725		Outstanding ripple current	350 ... 450	1000 ... 18000	
	B43706 B43726		Outstanding ripple current	400 ... 500	820 ... 15000	
	B43713 B43733		Very long useful life, high ripple current	200 ... 500	820 ... 33000	
	B43700 B43720		High voltage, high ripple current	550 ... 600	680 ... 10000	
	B43742 B43762		+105	Standard		
	B43743 B43763	Very high ripple current				
	4-/5-pin snap-in terminals and solder pins 	B43512 B43522	+85	Very compact	385 ... 500	220 ... 3300
		B43513 B43523		Long useful life	350 ... 450	270 ... 2700
		B43516 B43526	+105	Compact	400 ... 450	270 ... 1800

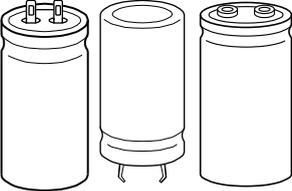
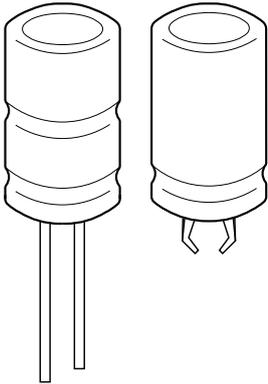
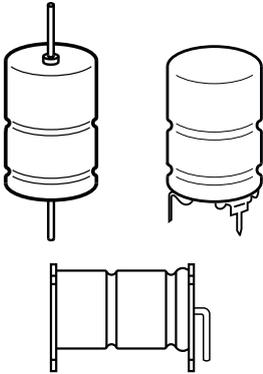
Aluminum Electrolytic Capacitors

Overview of types

Terminal style	Series	Upper category temperature	Features	V_R	C_R
		°C		V DC	μF
Snap-in 	B41231	+85	Standard, high ripple current	10 ... 100	1200 ... 68000
	B43630		Very compact	200 ... 450	100 ... 3300
	B43624		Long useful life	200 ... 450	56 ... 2200
	B43634		Long useful life, very compact	200 ... 450	82 ... 2700
	B43541		Outstanding ripple current, high voltage	200 ... 600	47 ... 2200
	B41252	+105	Standard, high ripple current	10 ... 100	820 ... 56000
	B43640		Ultra compact	200 ... 450	82 ... 3300
	B43641		Ultra compact	400 ... 450	120 ... 1200
	B43509		Compact	200 ... 450	56 ... 2700
	B43642		Very compact, very high ripple current	200 ... 500	68 ... 3300
	B43643		Ultra compact	200 ... 450	100 ... 3300
	B43644		Very compact, long useful life	200 ... 500	47 ... 2700
	B43544		Very high ripple current, high voltage	200 ... 550	47 ... 2700
	B43548		Outstanding ripple current, compact	400 ... 500	68 ... 820
	B43545		Outstanding ripple current, long useful life	400 ... 500	68 ... 1000
	B43547		Outstanding ripple current, long useful life	200 ... 500	56 ... 2200

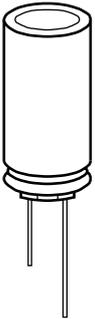
Aluminum Electrolytic Capacitors

Overview of types

Terminal style	Series	Upper category/ (operation) temperature °C	Features	V _R V DC	C _R μF
Capacitors for pulse applications Solder lug Snap-in Screw terminals 	B43415 B43416	Ratings depend on application			
Large-size 	B41605	+125/ (+140)	Compact design, very high ripple current capability	25 ... 63	2000 ... 27000
	B43268	+105	Compact, high ripple current capability	400 ... 500	68 ... 820
	B43649		Ultra compact, high ripple current capability	450	100 ... 820
Axial-lead and soldering star 	Automotive applications				
	B41687 B41787	+125/ (+150)	Extremely high ripple current, optimized for heat sink applications	63	360 ... 1800
	B41689 B41789	+125/ (+150)	Very high ripple current, long useful life	25 ... 63	360 ... 4500
	B41690 B41790	+125/ (+140)	Ultra compact, high ripple current	25 ... 40	600 ... 10000
	B41692 B41792	+125/ (+140)	Compact, long useful life	25 ... 75	360 ... 10000
	B41693 B41793	+125/ (+150)	High reliability, high temperature	75 ... 100	100 ... 1000
	B43693 B43793	+125/ (+140)	High voltage, high ripple current	140 ... 250	47 ... 620

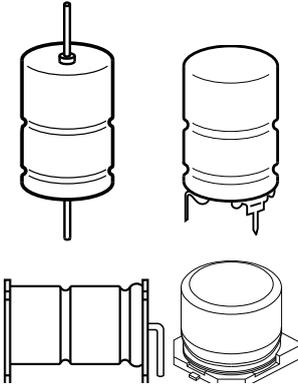
Aluminum Electrolytic Capacitors

Overview of types

Terminal style	Series	Upper category/ (operation) temperature °C	Features	V _R V DC	C _R μF	
Single-ended 	Automotive applications					
	B41858	+105	Low impedance, high reliability	10 ... 100	22 ... 10000	
	B41859		Very low impedance	16 ... 100	47 ... 3300	
	B41887		Long useful life	16 ... 35	470 ... 5600	
	B41888		Long useful life, low impedance	10 ... 63	47 ... 10000	
	B41866	+125	High ripple current capability at high temperature	10 ... 75	47 ... 10000	
	B41895		Low ESR, compact design, high ripple current capability at high temperature	25 ... 75	330 ... 6800	
	B41896		Long useful life, high ripple current capability, up to 135 °C	25 ... 50	180 ... 4700	
	B41898		Very long useful life	16 ... 50	330 ... 4700	
	B43896		High voltage design, low ESR	160 ... 250	33 ... 270	
	B41897		+135	Ultra compact, high ripple current capability, up to 150 °C	25 ... 75	270 ... 12000
	General use					
	B41856	+105		Low impedance	16 ... 100	22 ... 2200
	B43858		High ripple current capability	160 ... 450	2.2 ... 330	
	B43888		Long useful life, high ripple current capability	160 ... 450	3.3 ... 330	
	B43890		Extended useful life, high ripple current capability	350 ... 450	4.7 ... 68	

Aluminum Electrolytic Capacitors

Overview of types

Terminal style	Series	Upper category/ (operation) temperature °C	Features	V _R V DC	C _R μF
Hybrid polymer capacitors					
Axial-lead and soldering star SMD 	B40600 B40700	+125/ (+150)	Very high ripple current	25 ... 35	780 ... 2200
	B40640 B40740		Very high ripple current density	63	390 ... 720
	B40650 B40750	+150	Very high ripple current capability, very low impedance, ultralow ESR	63	460 ... 790
	B40900	+125	Very high ripple current	25 ... 35	270 ... 330
	B40920	+125	Compact, very high ripple current	25 ... 35	330 ... 620
	B40940	+125/ (+145)	Very high ripple current	63	82 ... 120

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.
3. **The warnings, cautions and product-specific notes must be observed.**
4. In order to satisfy certain technical requirements, **some of the products described in this publication may contain substances subject to restrictions in certain jurisdictions (e.g. because they are classed as hazardous)**. Useful information on this will be found in our Material Data Sheets on the Internet (www.tdk-electronics.tdk.com/material). Should you have any more detailed questions, please contact our sales offices.
5. We constantly strive to improve our products. Consequently, **the products described in this publication may change from time to time**. The same is true of the corresponding product specifications. Please check therefore to what extent product descriptions and specifications contained in this publication are still applicable before or when you place an order.
We also **reserve the right to discontinue production and delivery of products**. Consequently, we cannot guarantee that all products named in this publication will always be available. The aforementioned does not apply in the case of individual agreements deviating from the foregoing for customer-specific products.
6. Unless otherwise agreed in individual contracts, **all orders are subject to our General Terms and Conditions of Supply**.

Important notes

7. **Our manufacturing sites serving the automotive business apply the IATF 16949 standard.**
The IATF certifications confirm our compliance with requirements regarding the quality management system in the automotive industry. Referring to customer requirements and customer specific requirements (“CSR”) TDK always has and will continue to have the policy of respecting individual agreements. Even if IATF 16949 may appear to support the acceptance of unilateral requirements, we hereby like to emphasize that **only requirements mutually agreed upon can and will be implemented in our Quality Management System.** For clarification purposes we like to point out that obligations from IATF 16949 shall only become legally binding if individually agreed upon.
8. The trade names EPCOS, CarXield, CeraCharge, CeraDiode, CeraLink, CeraPad, CeraPlas, CSMP, CTVS, DeltaCap, DigiSiMic, ExoCore, FilterCap, FormFit, LeaXield, MiniBlue, MiniCell, MKD, MKK, ModCap, MotorCap, PCC, PhaseCap, PhaseCube, PhaseMod, PhiCap, PowerHap, PQSine, PQvar, SIFERRIT, SIFI, SIKOREL, SilverCap, SIMDAD, SiMic, SIMID, SineFormer, SIOV, ThermoFuse, WindCap, XieldCap are **trademarks registered or pending** in Europe and in other countries. Further information will be found on the Internet at www.tdk-electronics.tdk.com/trademarks.

Release 2020-06