

Aluminum electrolytic capacitors

Series/Type: B40600, B40700

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B40600B7108M013	B40600D7108M013	2024-05-31	2024-09-13	2024-12-13
B40600B7108M011	B40600D7108M011	2024-05-31	2024-09-13	2024-12-13
B40600B7108M003	B40600D7108M003	2024-05-31	2024-09-13	2024-12-13



Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B40600B7108M001	B40600D7108M001	2024-05-31	2024-09-13	2024-12-13
B40600A7787M013	B40600C7787M013	2024-05-31	2024-09-13	2024-12-13
B40600A7787M011	B40600C7787M011	2024-05-31	2024-09-13	2024-12-13
B40600A7787M003	B40600C7787M003	2024-05-31	2024-09-13	2024-12-13
B40600A7787M001	B40600C7787M001	2024-05-31	2024-09-13	2024-12-13
B40600A7148M013	B40600C7148M013	2024-05-31	2024-09-13	2024-12-13
B40600A7148M011	B40600C7148M011	2024-05-31	2024-09-13	2024-12-13
B40600A7148M003	B40600C7148M003	2024-05-31	2024-09-13	2024-12-13
B40600A7148M001	B40600C7148M001	2024-05-31	2024-09-13	2024-12-13
B40600A7108M013	B40600C7108M013	2024-05-31	2024-09-13	2024-12-13
B40600A7108M011	B40600C7108M011	2024-05-31	2024-09-13	2024-12-13
B40600A7108M003	B40600C7108M003	2024-05-31	2024-09-13	2024-12-13
B40600A7108M001	B40600C7108M001	2024-05-31	2024-09-13	2024-12-13
B40600A5228M013	B40600C5228M013	2024-05-31	2024-09-13	2024-12-13
B40600A5228M011	B40600C5228M011	2024-05-31	2024-09-13	2024-12-13
B40600A5228M003	B40600C5228M003	2024-05-31	2024-09-13	2024-12-13
B40600A5228M001	B40600C5228M001	2024-05-31	2024-09-13	2024-12-13
B40600A5178M013	B40600C5178M013	2024-05-31	2024-09-13	2024-12-13
B40600A5178M011	B40600C5178M011	2024-05-31	2024-09-13	2024-12-13
B40600A5178M003	B40600C5178M003	2024-05-31	2024-09-13	2024-12-13
B40600A5178M001	B40600C5178M001	2024-05-31	2024-09-13	2024-12-13
B40600A5168M013	B40600C5168M013	2024-05-31	2024-09-13	2024-12-13
B40600A5168M011	B40600C5168M011	2024-05-31	2024-09-13	2024-12-13
B40600A5168M003	B40600C5168M003	2024-05-31	2024-09-13	2024-12-13
B40600A5168M001	B40600C5168M001	2024-05-31	2024-09-13	2024-12-13
B40600A5128M013	B40600C5128M013	2024-05-31	2024-09-13	2024-12-13
B40600A5128M011	B40600C5128M011	2024-05-31	2024-09-13	2024-12-13
B40600A5128M003	B40600C5128M003	2024-05-31	2024-09-13	2024-12-13
B40600A5128M001	B40600C5128M001	2024-05-31	2024-09-13	2024-12-13

Please contact your nearest TDK sales office if you need support in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.tdk-electronics.tdk.com/sales.

Hybrid polymer aluminum electrolytic capacitors

Very high ripple current density – up to 150 °C

Axial-lead and soldering star capacitors

Applications

- Automotive electronics
- Industrial electronics

Features

- Very high ripple current capability
- Stable internal thermal connection during useful life
- High operating temperature capability up to 150 °C
- Useful life, 4000 h at 125 °C
- High vibration stability up to 60 g available upon request
- Very low ESR across temperature range
- RoHS-compatible

Construction

- Polar
- Aluminum case with or without PET sleeve
- Negative pole connected to case

Terminals

- Axial leads, welded to capacitor case and cover disc
- Soldering star option for upright mounting on PCB or welding to busbar

Taping and packing

- Axial-lead capacitors will be delivered in pallet package or taped on reel
- Soldering star capacitors are packed in blister trays





B40600, B40700

Hybrid polymer aluminum electrolytic capacitors Very high ripple current density – up to 150 °C

Specifications and characteristics in brief

•				
Rated voltage V _R	25 35 V DO	2		
Surge voltage V _S	1.15 · V _R			
Rated capacitance C _R	780 2200 µ	١F		
Capacitance tolerance	-20/+20% ≙ M			
Leakage current l _{leak} (5 min, 20 °C)	$I_{leak} \le 0.006$	$\mu A \cdot \left(\frac{C_R}{\mu F} \cdot \frac{V_R}{V}\right)$) + 4 μA	
Self-inductance ESL ¹⁾	Diameter d (n	nm)	14	16
	Terminals	Length I (mm)	Approx. ESL	(nH)
	Axial	25	22	26
		30	24	29
	Soldering	25	6	7
	star	30	7	8
Useful life ²⁾		Requirements	5:	
T _A = 125 °C; V _R ; I _{AC,R}	> 4000 h	I∆C/CI	\leq 30% of initia	al value
T_{C} = 125 °C; V_{R} ; $I_{AC,max}$	> 2000 h	ESR		al specified limit ³⁾
		I _{leak}	\leq initial specif	fied limit
Voltage endurance test		Post test requ	irements:	
125 °C; V _R	1000 h	I∆C/CI	\leq 10% of initia	
		ESR		itial specified limit ³⁾
		l _{leak}	\leq initial specif	fied limit
Vibration resistance test	To IEC 60068	3-2-6:2007, tes	t Fc:	
	• •	•	•	nent amplitude max. 1.5 mm,
	acceleration r	max. 30 <i>g</i> , dura	ation 3 x 2 h.	
	Capacitor rigi	dly clamped by	the aluminum	case e.g. using our standard
IEC climatic category		3-1.2013 55/12	25/56 (<u>-55</u> °C/-	+125 °C/56 days damp heat
	test)			
Sectional specification	/ IEC 60384-4:	2016		
Reference standard	AEC-Q200 R	EV D ⁴⁾		

1) If optimum circuit design is used, the values are lower by 30%.

2) Refer to chapter "General technical information, 5 Useful life" on how to interpret useful life.

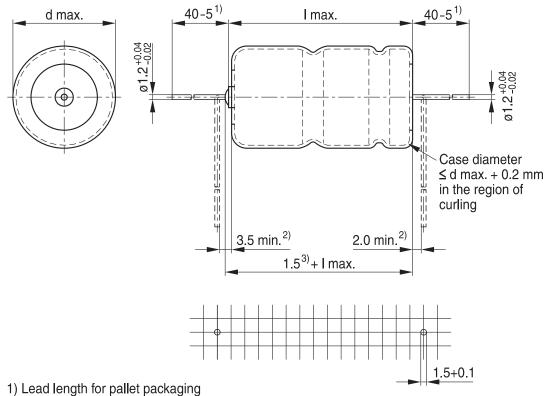
3) ESR_{max} at 20 kHz, 20 °C is measured with the probe connected in close proximity to the capacitor body. In case of soldering star capacitors with all negative pins connected in parallel.

4) Refer to chapter "General technical information, 2 Standards and specification" for further details.

Hybrid polymer aluminum electrolytic capacitors Very high ripple current density - up to 150 °C

B40600, Axial-lead capacitors, version with PET sleeve

Dimensional drawing



2) Minimum bending distance recommended per wire

3) Maximum length of welding projection

KAL1789-P-E

Dimensions, weights and packing units

d x l	d _{max} x I _{max}	Approx. weight	Packing unit	s (pcs.)
mm	mm	g	Pallet	Reel
14 x 25	14.5 x 26	6.1	200	350
14 x 30	14.5 x 31	7.3	200	350
16 x 25	16.5 x 26	7.7	180	250
16 x 30	16.5 x 31	9.1	180	250

B40600, B40700

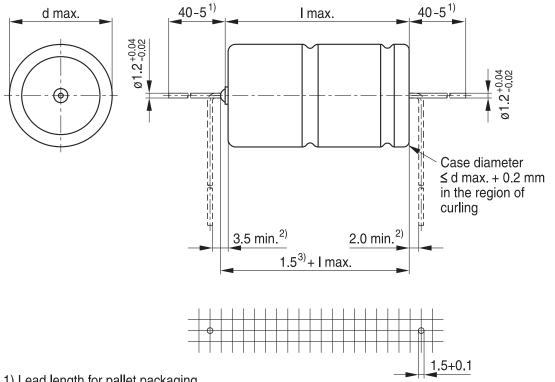
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Hybrid polymer aluminum electrolytic capacitors Very high ripple current density – up to 150 °C

B40600, B40700

B40600, Axial-lead capacitors, version without sleeve

Dimensional drawing



1) Lead length for pallet packaging

2) Minimum bending distance recommended per wire

3) Maximum length of welding projection

KAL1790-S-E

Dimensions, weights and packing units

d x l	d _{max} x I _{max}	Approx. weight	Packing units	(pcs.)
mm	mm	g	Pallet	Reel
14 x 25	14.3 x 25.9	5.9	200	350
14 x 30	14.3 x 30.9	7.1	200	350
16 x 25	16.3 x 25.9	7.5	180	250
16 x 30	16.3 x 30.9	8.9	180	250

Detail A

Minus pin

1.3-0.1

1-0.1

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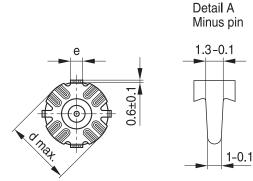
Hybrid polymer aluminum electrolytic capacitors

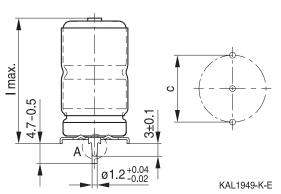
Very high ripple current density – up to 150 °C

B40700, Soldering star capacitors, version with PET sleeve

Dimensional drawings

Mounting holes d = 14 ... 16 mm





Version with 2 negative pins, 1 positive pin¹⁾

Dimensions, weights and packing units

Version with 3 negative pins, 1 positive pin²⁾

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340

е

079

d max.

max.

4.7-0.5

A

dxl	d _{max} x I _{max}	c ±0.1	e ±0.1	Approx. weight	Packing units
mm	mm	mm	mm	g	pcs.
14 x 25	15.5 x 28	14.5	3.0	6.1	480
14 x 30	15.5 x 33	14.5	3.0	7.3	480
16 x 25	17.5 x 28	16.5	3.0	7.7	300
16 x 30	17.5 x 33	16.5	3.0	9.1	300

B40600, B40700

1) Two negative pins on soldering star, one positive lead wire in the center.

2) Three negative pins on soldering star, one positive lead wire in the center.

Hybrid polymer aluminum electrolytic capacitors

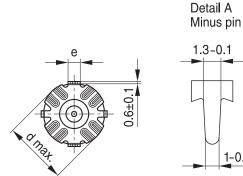
Very high ripple current density - up to 150 °C

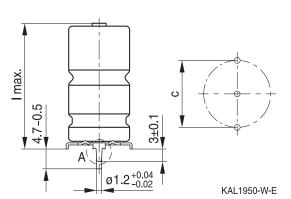
B40700, Soldering star capacitors, version without sleeve

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Dimensional drawings

Mounting holes d = 14 ... 16 mm





Version with 2 negative pins, 1 positive pin¹⁾

Dimensions, weights and packing units

Version with 3 negative pins, 1 positive pin²⁾

dxl	d _{max} x I _{max}	c ±0.1	e ±0.1	Approx. weight	Packing units
mm	mm	mm	mm	g	pcs.
14 x 25	15.5 x 28	14.5	3.0	5.9	480
14 x 30	15.5 x 33	14.5	3.0	7.1	480
16 x 25	17.5 x 28	16.5	3.0	7.5	300
16 x 30	17.5 x 33	16.5	3.0	8.9	300

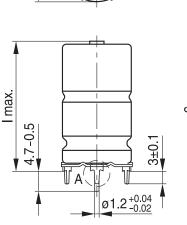
1) Two negative pins on soldering star, one positive lead wire in the center.

2) Three negative pins on soldering star, one positive lead wire in the center.

Please read Cautions and warnings and Important notes at the end of this document. B40600, B40700



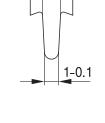
Detail A



е

d max.

0.6±0



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KAL1792-9-E

Hybrid polymer aluminum electrolytic capacitors

Very high ripple current density – up to 150 °C

Overview of available types

Other voltage and capacitance ratings are available upon request.

V _R (V DC)	25	35	
	Case dimensions d x I (mm)	I	
C _R (μF)			
780		14 x 25	
1000		14 x 30	
		16 x 25	
1200	14 x 25		
1400		16 x 30	
1600	14 x 30		
1700	16 x 25		
2200	16 x 30		

Case dimensions and ordering codes

C _R	Case	Ordering code	Ordering code	Ordering code	Ordering code
100 Hz	dimen-	Axial pallet	Axial reel	Soldering star	Soldering star
20 °C	sions			3 Pin	2 Pin
	dxl				
μF	mm				
V _R = 25	V DC				
1200	14 x 25	B40600C5128M0*1	B40600C5128M0*3	B40700A5128M0*1	B40700A5128M0*2
1600	14 x 30	B40600C5168M0*1	B40600C5168M0*3	B40700A5168M0*1	B40700A5168M0*2
1700	16 x 25	B40600C5178M0*1	B40600C5178M0*3	B40700A5178M0*1	B40700A5178M0*2
2200	16 x 30	B40600C5228M0*1	B40600C5228M0*3	B40700A5228M0*1	B40700A5228M0*2
V _R = 35	V DC				
780	14 x 25	B40600C7787M0*1	B40600C7787M0*3	B40700A7787M0*1	B40700A7787M0*2
1000	14 x 30	B40600C7108M0*1	B40600C7108M0*3	B40700A7108M0*1	B40700A7108M0*2
1000	16 x 25	B40600D7108M0*1	B40600D7108M0*3	B40700B7108M0*1	B40700B7108M0*2
1400	16 x 30	B40600C7148M0*1	B40600C7148M0*3	B40700A7148M0*1	B40700A7148M0*2

Composition of ordering code

* = sleeve option

0 = with sleeve

1 = without sleeve

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Hybrid polymer aluminum electrolytic capacitors

Very high ripple current density - up to 150 °C

C _R 100 Hz	Case dimensions	ESR _{max} 1) 20 kHz	ESR _{max} 1) 20 kHz	I _{AC,R, with sleeve} 20 kHz	I _{AC,R, without sleeve} 20 kHz	I _{AC,max} ^{2) 3)} 20 kHz
20 °C	d x l	20 °C	–40 °C	T _A = 125 °C	T _A = 125 °C	T _C = 125 °C
μF	mm	m Ω	mΩ	А	A	А
V _R = 25	V DC					
1200	14 x 25	5.1	7.1	8.5	7.7	25.0
1600	14 x 30	4.4	6.1	10.5	9.5	28.0
1700	16 x 25	4.0	5.5	13.1	11.9	34.0
2200	16 x 30	3.5	4.8	17.0	15.5	38.5
V _R = 35	V DC					
780	14 x 25	5.1	7.1	8.5	7.7	25.0
1000	14 x 30	4.4	6.1	10.5	9.5	28.0
1000	16 x 25	4.0	5.5	13.1	11.9	34.0
1400	16 x 30	3.5	4.8	17.0	15.5	38.5

Technical data – B40600 series

Technical data – B40700 series

C _R 100 Hz	Case dimensions	ESR _{max} ¹⁾ 20 kHz	ESR _{max} 1) 20 kHz	I _{AC,R,with} sleeve 20 kHz	I _{AC,R,without} sleeve 20 kHz	I _{AC,max} ^{2) 3)} 20 kHz
20 °C	d x l	20 °C	–40 °C	$T_{A} = 125 \ ^{\circ}C$	T _A = 125 °C	T _C = 125 °C
μF	mm	mΩ	mΩ	А	А	А
V _R = 25	5 V DC					
1200	14 x 25	5.4	7.4	8.5	7.7	25.0
1600	14 x 30	4.7	6.4	10.5	9.5	28.0
1700	16 x 25	4.3	5.8	13.1	11.9	34.0
2200	16 x 30	3.8	5.1	17.0	15.5	38.5
V _R = 35	V DC					
780	14 x 25	5.4	7.4	8.5	7.7	25.0
1000	14 x 30	4.7	6.4	10.5	9.5	28.0
1000	16 x 25	4.3	5.8	13.1	11.9	34.0
1400	16 x 30	3.8	5.1	17.0	15.5	38.5

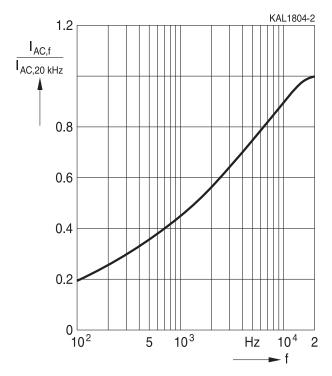
1) ESR_{max} at 20 kHz is measured with the probe connected in close proximity to the capacitor body. In case of soldering star capacitors with all negative pins connected in parallel.

2) Ripple current at fixed capacitor case temperature (measured at aluminum case surface), over lifetime, when mounted to a heatsink. In case of soldering star capacitors with all negative pins connected in parallel.

3) To achieve the maximum listed current, special care must be taken in the connection of the capacitor to the circuit as it depends on user assembly.

B40600, B40700

Hybrid polymer aluminum electrolytic capacitors Very high ripple current density – up to 150 °C



Frequency factor of permissible ripple current I_{AC} versus frequency f

Useful life¹⁾

Calculations of useful life are performed on request, based on operational conditions stated by the customer.

1) Refer to chapter "General technical information, 5 Useful life" on how to interpret useful life.



Hybrid polymer aluminum electrolytic capacitors Very high ripple current density – up to 150 °C

Cautions and warnings

Personal safety

The electrolytes used have been optimized both with a view to the intended application and with regard to health and environmental compatibility. They do not contain any solvents that are detrimental to health, e.g. dimethyl formamide (DMF) or dimethyl acetamide (DMAC). Furthermore, some of the high-voltage electrolytes used are self-extinguishing.

As far as possible, we do not use any dangerous chemicals or compounds to produce operating electrolytes, although in exceptional cases, such materials must be used in order to achieve specific physical and electrical properties because no alternative materials are currently known. We do, however, restrict the amount of dangerous materials used in our products to an absolute minimum.

Materials and chemicals used in our aluminum electrolytic capacitors are continuously adapted in compliance with the TDK Electronics Corporate Environmental Policy and the latest EU regulations and guidelines such as RoHS, REACH/SVHC, GADSL, and ELV.

MDS (Material Data Sheets) are available on our website for all types listed in the data book. MDS for customer specific capacitors are available upon request. MSDS (Material Safety Data Sheets) are available for our electrolytes upon request.

Nevertheless, the following rules should be observed when handling aluminum electrolytic capacitors: No electrolyte should come into contact with eyes or skin. If electrolyte does come into contact with the skin, wash the affected areas immediately with running water. If the eyes are affected, rinse them for 10 minutes with plenty of water. If symptoms persist, seek medical treatment. Avoid inhaling electrolyte vapor or mists. Workplaces and other affected areas should be well ventilated. Clothing that has been contaminated by electrolyte must be changed and rinsed in water.

Hybrid polymer aluminum electrolytic capacitors

Product safety

The table below summarizes the safety instructions that must be observed without fail. A detailed description can be found in the relevant sections of seperate file chapter "General technical information".

Торіс	Safety information	Reference chapter "General technical information"
Polarity	Make sure that polar capacitors are connected with the right polarity.	1 "Basic construction of aluminum electrolytic capacitors"
Reverse voltage	Voltages of opposite polarity should be prevented by connecting a diode.	3.1.6 "Reverse voltage"
Mounting position of capacitors with screw or multi-pin terminals	Multi-pin capacitors with pressure relief vent on the can base must not be mounted with terminals facing up unless otherwise specified.	11.1 "Mounting positions of capacitors with screw or multi-pin terminals"
Robustness of terminals	The following maximum tightening torques must not be exceeded when connecting screw terminals: M5: 2.5 Nm M6: 4.0 Nm	11.2 "Mounting torques"
Mounting of single-ended capacitors	The internal structure of single-ended capacitors might be damaged if excessive force is applied to the lead wires. Avoid any compressive, tensile or flexural stress. Do not move the capacitor after soldering to PC board. Do not pick up the PC board by the soldered capacitor. Do not insert the capacitor on the PC board with a hole space different to the lead space specified.	11.3 "Mounting considerations for single-ended capacitors"
Soldering	Do not exceed the specified time or temperature limits during soldering.	11.5 "Soldering"
Soldering, cleaning agents	Do not allow halogenated hydrocarbons to come into contact with aluminum electrolytic capacitors.	11.6 "Cleaning agents"
Upper category temperature	Do not exceed the upper category temperature.	7.2 "Maximum permissible operating temperature"
Passive flammability	Avoid external energy, e.g. fire.	8.1 "Passive flammability"

Very high ripple current density – up to 150 °C



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Hybrid polymer aluminum electrolytic capacitors Very high ripple current density – up to 150 °C

Торіс	Safety information	Reference chapter "General technical information"
Active flammability	Avoid overload of the capacitors.	8.2 "Active flammability"
Maintenance	Make periodic inspections of the capacitors. Before the inspection, make sure that the power supply is turned off and carefully discharge the capacitors. Do not apply excessive mechanical stress to the capacitor terminals when mounting.	10 "Maintenance"
Storage	Do not store capacitors at high temperatures or high humidity. Capacitors should be stored at +5 to +35 °C and a relative humidity of \leq 75%.	7.3 "Shelf life and storage conditions"
		Reference chapter "Capacitors with screw terminals"
Breakdown strength of insulating sleeves	Do not damage the insulating sleeve, especially when ring clips are used for mounting.	"Screw terminals – accessories"

Display of ordering codes for TDK Electronics products

The ordering code for one and the same product can be represented differently in data sheets, data books, other publications, on the company website, or in order-related documents such as shipping notes, order confirmations and product labels. The varying representations of the ordering codes are due to different processes employed and do not affect the specifications of the respective products.

Detailed information can be found on the Internet under www.tdk-electronics.tdk.com/orderingcodes.



Hybrid polymer aluminum electrolytic capacitors Very high ripple current density – up to 150 °C

Symbols and terms

Symbol	English	German
С	Capacitance	Kapazität
C _R	Rated capacitance	Nennkapazität
C _S	Series capacitance	Serienkapazität
C _{S,T}	Series capacitance at temperature T	Serienkapazität bei Temperatur T
C _f	Capacitance at frequency f	Kapazität bei Frequenz f
d	Case diameter, nominal dimension	Gehäusedurchmesser, Nennmaß
d _{max}	Maximum case diameter	Maximaler Gehäusedurchmesser
ESL	Self-inductance	Eigeninduktivität
ESR	Equivalent series resistance	Ersatzserienwiderstand
ESR _f	Equivalent series resistance at frequency f	Ersatzserienwiderstand bei Frequenz f
ESR _T	Equivalent series resistance at temperature T	Ersatzserienwiderstand bei Temperatur T
f	Frequency	Frequenz
I	Current	Strom
I _{AC}	Alternating current (ripple current)	Wechselstrom
I _{AC,RMS}	Root-mean-square value of alternating current	Wechselstrom, Effektivwert
I _{AC,f}	Ripple current at frequency f	Wechselstrom bei Frequenz f
I _{AC,max}	Maximum permissible ripple current	Maximal zulässiger Wechselstrom
I _{AC,R}	Rated ripple current	Nennwechselstrom
l _{leak}	Leakage current	Reststrom
l _{leak,op}	Operating leakage current	Betriebsreststrom
1	Case length, nominal dimension	Gehäuselänge, Nennmaß
I _{max}	Maximum case length	Maximale Gehäuselänge
	(without terminals and mounting stud)	(ohne Anschlüsse und Gewindebolzen)
R	Resistance	Widerstand
R _{ins}	Insulation resistance	Isolationswiderstand
R _{symm}	Balancing resistance	Symmetrierwiderstand
Т	Temperature	Temperatur
ΔT	Temperature difference	Temperaturdifferenz
T _A	Ambient temperature	Umgebungstemperatur
Т _В	Capacitor base temperature	Temperatur des Gehäusebodens
Т _С	Case temperature	Gehäusetemperatur
t	Time	Zeit
Δt	Period	Zeitraum
t _b	Service life (operating hours)	Brauchbarkeitsdauer (Betriebszeit)
V	Voltage	Spannung
V _F	Forming voltage	Formierspannung
V _{op}	Operating voltage	Betriebsspannung
V _R	Rated voltage, DC voltage	Nennspannung, Gleichspannung
V _S	Surge voltage	Spitzenspannung
X _C	Capacitive reactance	Kapazitiver Blindwiderstand

Hybrid polymer aluminum electrolytic capacitors Very high ripple current density – up to 150 °C

Symbol	English	German
XL	Inductive reactance	Induktiver Blindwiderstand
Z	Impedance	Scheinwiderstand
Ζ _T	Impedance at temperature T	Scheinwiderstand bei Temperatur T
$\tan\delta$	Dissipation factor	Verlustfaktor
λ	Failure rate	Ausfallrate
ε ₀	Absolute permittivity	Elektrische Feldkonstante
ε _r	Relative permittivity	Dielektrizitätszahl
ω	Angular frequency; $2 \cdot \pi \cdot f$	Kreisfrequenz; $2 \cdot \pi \cdot f$

Note:

All dimensions are given in mm.



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, InsuGate, 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 2022-07