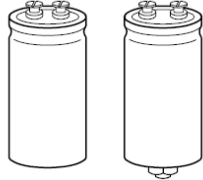


Aluminium Electrolytic Capacitor

Material Data Sheet

Product Class	Screw terminal capacitors	Remark: This material datasheet is valid for the part numbers contained in the Data Book 2019. In case of special (B4***S****) or obsolete capacitors please contact our sales department 
Date	12.04.2021	
IMDS ID if available		
Version	11	

Product Part (IMDS: semi component)	Material Class (IMDS: Material)	Material (Classification) VDA 231	Substance	TMPS** [wt%]	CAS if applicable	typical mass of material [wt-%]	Traces see 1)
Active Part	Light Metals	1B	Aluminium	100	7429-90-5	36	
	Acids, Bases, Salts	6F	Ethylene glycol or Gamma-butyrolactone	57 80 (without NMP)	107-21-1 96-48-0	23	
	Acids, Bases, Salts	6F	N-Methyl-2-Pyrrolidone****)	23	872-50-4		
	Acids, Bases, Salts	6F	Others*)	20	-		
	Thermoplastics	2A	Polypropylene	100	9003-07-0	0,1	
	Paper, Cardboard	5C	Cellulose	100	9004-34-6	14,9	
Encapsulation	Light Metals	1B	Aluminium	100	7429-90-5	13	
	Glass fiber	3A	Silicon dioxide	60	14808-60-7	7	
	Duromer or Thermoplastics	2D 2A	Phenolic and epoxy resin or Polyphenylenesulfide****)	40	-		
	Elastomer	2B	EPDM rubber	41,5	25038-36-2		
	Inorganic, solid	4A	Silicon dioxide	13	7631-86-9	0,5	
	Inorganic, solid	4A	Kaolinite	28,5	1318-74-7		
	Lubricant	6B	Paraffin	10,5	8012-95-1		
	-	-	Others *)	6,5	-		
	Thermoplastics	2A	Polyvinyl chloride or Polyethylene terephthalate and/or Polypropylene or without insulation	90	9002-86-2 25038-59-9 9003-07-0	1,5	
	-	-	others*)	10			
Elastomer	2B	Silicon rubber (only part numbers with extension M**7)	100	-	1		
Termination	Light Metals	1B	Aluminium	100	7429-90-5	3	
Sum in total:						100	

sizes D x L [mm]	weight range [g]	sizes D x L [mm]	weight range [g]	sizes D x L [mm]	weight range [g]	part numbers	part numbers
35,7 x 55,7	65	64,3-65,4 x 130,7 - 131,5	600	76,9 x 191,5	1000	B41456 / B41458 /	B43700 / B43720 /
35,7 x 73	105	64,3 x 139,2	630	76,9-77,3 x 190-191,2	1150	B41550 / B41554	B43701 / B43721 /
35,7 x 80,7	105	64,3 x 139,7	600	76,9-78 x 216,5-221,6	1300	B41560 / B41570	B43703 / B43723 /
35,7 x 105,7	135	64,3 x 143,2-143,7	630	91 x 66,8-76,3	600	B41580 /	B43704 / B43724 /
50,6 x 103	280	64,3 x 150,2	440	90-91 x 96,3-131,5	1000	B41465/	B43705 / B43725 /
51,6 x 74,2	220	64,3 x 156,2	630	90-91 x 143,8-145,6	1200	B43464 / B43484 /	B43706/B43726/
51,6 x 77,5	220	76,9 x 80,7	500	90-91 x 170-170,5	1400	B43454	B43472
51,6 x 80,7-82,1	220	76,9 x 81,5	570	90-91 x 191-191,5	1650	B43455 / B43457 /	B43707 /
51,6 x 95,2	280	76,9 x 91,7	600	90 x 197	1700	B43456 / B43458 /	B43712 / B43732 /
51,6 x 96,7	250	76,9 x 96,3	570	90-91 x 221-222,3	1900	B43564 / B43584/	B43713 / B43733 /
51,6 x 105,7-107	280	76,9 x 96,7	620			B43465	B43740 / B43760 /
51,6 x 116,2-118,2	320	76,9-77,3 x 105-107,5	620			B43467	B43741 / B43761 /
51,6 x 130,7-131,2	350	76,9-78 x 116,2-118,7	700			B43471	B43742 / B43762 /
51,6 x 138,7	350	76,9-78 x 130,7-131,5	800			B43474	B43743 / B43763 /
51,6 x 169,2	630	77,3-78 x 142,5-150,3	840			B43550	B43750 / B43770 /
52,7 x 106,8	280	76,9-78 x 156,2-157	920			B43560	B43772 /
64,3 x 80-80,7	370	76,9-77,3 x 168,7-171	1000			B43566	B43875
64,3 x 96	440					B43570	
64,3 x 96,7	400					B43580	
64,3-64,9 x 105-107	440						
64,3-65,4 x 116,2-118,7	510						

Not Part of a Product Class		
Contact	Ivett Bálint	Important remarks: 1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are
Division	SZ LQM	

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	Tel: +36 94 522 358	mailto: ivett.balint@tdk-electronics.tdk.com
<p>*) others: (not declarable or prohibited substances acc. GADSL)</p> <p>**) typical mass percentage of substance</p> <p>***) Only in some capacitors from series B41550, B41554, B41570. No longer produced types.</p> <p>Between 19. February 2020 and May 2020 produced capacitors may contain N-Methyl-2-Pyrrolidone.</p> <p>After May 2020 produced capacitors don't contain N-Methyl-2-Pyrrolidone.</p>		

product parts, substances etc. that are below a percentage of 0.1 % by weight, if not otherwise regulated.

2) This Material Data Sheet contains typical values of the respective products set forth herein. We expressly point out that all values and statements contained herein are based on our best present knowledge and cannot be regarded as binding statements or binding product specifications, unless otherwise explicitly agreed in writing. TDK ELECTRONICS AG AND ITS AFFILIATES HEREBY EXPRESSLY DISCLAIM ANY REPRESENTATION OR WARRANTY, WHETHER EXPRESS, IMPLIED OR STATUTORY, WITH REGARD TO THE STATEMENTS AND VALUES CONTAINED HEREIN, INCLUDING BUT NOT LIMITED TO ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PURPOSE.

The products set forth herein are "RoHS-compatible". RoHS-compatible means that products are compatible with the requirements according to Art. 4 (substance restrictions) of Directive 2011/65/EU of the European Parliament and of the Council of June 8th, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

RoHS - Exemptions for the Product Class / Product according to Annex III: (valid not valid)

no exemptions;

- Exemption 6 (a): Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0,35 % lead by weight;
- Exemption 6 (b): Lead as an alloying element in aluminum containing up to 0,4 % lead by weight;
- Exemption 6 (c): Copper alloy containing up to 4 % lead by weight;
- Exemption 7 (a): Lead in high melting temperature type solder (i.e. lead-based alloys containing 85 % by weight or more lead);
- Exemption 7 (c)-I: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound;
- Exemption 7 (c)-II: Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher;
- Exemption 7 (c)-III: Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC;
- Exemption 15: Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages;
- Other Exemption than above