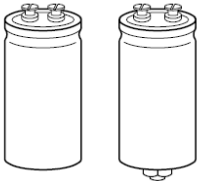


Aluminium Electrolytic Capacitor

Material Data Sheet

Product Class:	Screw terminal capacitors	
Date	2011.10.20.	
IMDS ID if available		
Version:	06	

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	38	
	Acids, Bases, Salts	6F	Ethylene glycol or Gamma-butyrolactone	57 80 (without NMP)	107-21-1 96-48-0	22,8	
	Acids, Bases, Salts	6F	Others*)	20	-		
	Acids, Bases, Salts	6F	N-Methyl-2-Pyrrolidone***)	23	872-50-4		
	Thermoplastics	2A	Polypropylene	100	9003-07-0	0,2	
	Paper, Cardboard	5C	Cellulose	100	9004-34-6	15	
Encapsulation	Light Metals	1B	Aluminium	100	7429-90-5	13	
	Duromer	2D	Phenolic plastic	100	-	8	
	Elastomer	2B	EPDM rubber	100	25038-36-2	0,5	
	Thermoplastics	2A	Polyvinyl chloride or Polyethylene terephthalate or without insulation	100	9002-86-2 25038-59-9	1,5	
Termination	Light Metals	1B	Aluminium	100	7429-90-5	1	
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 x 55	65	65 x 105	420	76 x 155	1000	B41456 / B41458 /	B43474 / B43484 /
35 x 75	84	65 x 115	546	76 x 170	1190	B41550 / B41554 /	B43550 / B43560 / B43564 /
35 x 80	105	65 x 130	620	76 x 190	1230	B41560 / B41570 /	B43566 /
35 x 105	135	65 x 140	630	76 x 220	1350	B41580,	B43570 / B43580 / B43584 /
50 x 40	71	65 x 155	820	90 x 65	472	B43454 / B43455 /	B43586 /
50 x 50	101	76 x 75	525	90 x 75	615	B43456 / B43457 /	B43740 / B43750 / B43760 /
50 x 75	164	76 x 80	613	90 x 95	836	B43458 /	B43770 /
50 x 80	184	76 x 90	640	90x 105	937	B43464 / B43465 /	B43875
50 x 95	270	76 x 95	650	90 x 115	1183	B43467	
50 x 105	283	76 x 105	680	90 x 130	1383		
50 X 115	330	76 x 110	700	90 x 145	1210		
50 x 130	395	76 x 115	750	90 x 155	1515		
50 x 140	510	76 x 125	800	90 x 170	1618		
50 x 155	553	76 x 130	855	90 x 190	1790		
50 x 170	623	76 x 140	870	90 x 200	1980		
65 x 80	375	76 x 145	900	90 x 220	2000		
65 x 95	400	76 x 150	915				

Not part of a Product Class

Contact	Dr. Ildikó Száraz	Important remarks: 1) The declaration limit is 0.1% as defined by IEC PAS 61906. Traces are 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. EPCOS 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.
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*) others: (not declarable or prohibited substances acc. GADSL)		
**) typical mass percentage of substance		
***) Only in special low voltage capacitor types: see detailed list on http://www.epcos.com/web/generator/Web/Sections/Environment/REACH/REACH_Information/Page.locale=en.html		
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 8 th , 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 aluminium 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