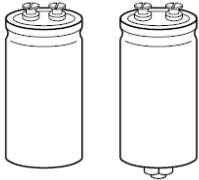


Aluminium Electrolytic Capacitor

Material Data Sheet

Product Class	Screw terminal capacitors	
Date	2016.01.25	
IMDS ID if available		
Version	09	

Remark: This material datasheet is valid for the part numbers contained in the Data Book 2015. In case of special (B4****S****) or obsolete capacitors please contact our sales department

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	107-21-1 96-48-0	23					
		6F	N-Methyl-2-Pyrrolidone***)	23	872-50-4						
		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	Phenolic and epoxy resin or Polyphenylenesulfide****)	40	-						
		2A									
	Elastomer	2B	EPDM rubber	41,5	25038-36-2	0,5					
	Inorganic, solid	4A	Silicon dioxide	13	7631-86-9						
	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	-
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	64,3-64,7 x 130,7	600	76,9-77,3 x 190-191,2	1150	B41456 / B41458 / B41550 / B41570 /	B43700 / B43720 / B43701 / B43721 /
35,7 x 80,7	105	64,3-64,7 x 143,2	630	76,9-77,3 x 220,7	1300	B41560 / B41580 /	B43740 / B43760 /
35,7 x 105,7	135	76,9-77,3 x 96,7	570	90-91 x 66,8	600	B43464 / B43484 /	B43750 / B43770 /
51,6 x 80,7-82,1	220	76,9-77,3 x 105-107,5	620	90-91 x 96,3-97,5	770	B43455 / B43457 /	B43703 / B43723 /
51,6 x 96,7	250	76,9-77,3 x 116,2-118,2	700	90-91 x 120-120,8	1000	B43456 / B43458 /	B43704 / B43724 /
51,6 x 105,7-106,2	280	76,9-77,3 x 130,7	800	90-91 x 143,8-145,6	1200	B43564 / B43584 /	B43705 / B43725 /
51,6 x 116,2-118,2	320	76,9-77,3 x 142,5-145,6	840	90-91 x 158,5-159	1300		B43712 / B43732 /
51,6 x 130,7	350	76,9-77,3 x 156,2	920	90-91 x 170-170,5	1400		B43713 / B43733 /
64,3-64,7 x 80-80,7	370	76,9-77,3 x 168,7	1000	90-91 x 191-191,5	1650		B43741 / B43761 /
64,3-64,7 x 96,7	400			90-91 x 197-197,5	1700		B43743 / B43763 /
64,3-64,7 x 105-105,7	440			90-91 x 202-202,5	1750		B43752 / B43772 /
64,3-64,7 x 116,2-118,2	510			90-91 x 221-221,8	1900		

Not Part of a Product Class		
Contact	Dr. Ildikó Száraz	
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*) others: (not declarable or prohibited substances acc. GADSL) **) typical mass percentage of substance ***) Only in some capacitors from series B41550, B41554, B41570. For detailed list please refer to http://www.epcos.com/web/generator/Web/Sections/Environment/REACH/REACH_Information/Page.locale=en.html ****) Only in series B41550, B41554, B41570		
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: (<input checked="" type="checkbox"/> valid <input type="checkbox"/> not valid)		
<input checked="" type="checkbox"/> no exemptions; <input type="checkbox"/> 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; <input type="checkbox"/> Exemption 6 (b): Lead as an alloying element in aluminium containing up to 0,4 % lead by weight; <input type="checkbox"/> Exemption 6 (c): Copper alloy containing up to 4 % lead by weight; <input type="checkbox"/> Exemption 7 (a): Lead in high melting temperature type solder (i.e. lead-based alloys containing 85 % by weight or more lead); <input type="checkbox"/> 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; <input type="checkbox"/> Exemption 7 (c)-II: Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher; <input type="checkbox"/> Exemption 7 (c)-III: Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC; <input type="checkbox"/> Exemption 15: Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages; <input type="checkbox"/> Other Exemption than above		