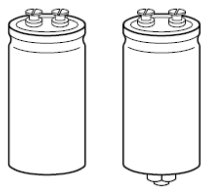


Aluminium Electrolytic Capacitor

Material Data Sheet

Product Class:	Alu-X Screw terminal capacitors	
Date	14.10.2011	
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	35	
	Acids, Bases, Salts	6F	Ethylene glycol	80	107-21-1	20.6	
			Carboxylic acid	10	-	2.6	
			others	10	-	2.6	
	Thermoplastics	2A	Polypropylene	100	-	0.2	
Paper, Cardboard	5C	Cellulose	100	9004-34-6	15		
Encapsulation	Light Metals	1B	Aluminium	100	7429-90-5	13	
	Duromer	2D	Phenolic resin	100	-	8	
	Elastomer	2B	EPDM rubber	100	25038-36-2	0.5	
	Thermoplastics	2A	Polyvinyl chloride or Polyethylene terephthalate	100	9002-86-2 25038-54-4	1.5	
Termination	Light Metals	1B	Aluminium	100	7429-90-5	1	
Sum in total:						100	

sizes [mm]	weight range [g]	part numbers	weight range [g]	sizes [mm]	part numbers
51,6 x 75	220	B43310 / 330	620	76,9 x 115,0	B43310 / 330
51,6 x 96	280	B43320 / 340	770	76,9 x 130,0	B43320 / 340
51,6 x 130,0	350		990	76,9 x 155,0	
64,3 x 96,0	400		1400	91,0 x 157,0	
64,3 x 115,0	490		1600	91,0 x 196,0	
64,3 x 130,0	540		1900	91,0 x 220,0	
64,3 x 155,0	640		2200	91,0 x 236	
64,3 x 195	850				

Not part of a Product Class

<table border="1"> <tr> <td>Contact</td> <td>Liu Lori</td> </tr> <tr> <td>Division</td> <td>XM ALU</td> </tr> <tr> <td>Address</td> <td>413-419 Tongji Nan Road, Jimei Xiamen · 361021 P.R. CHINA</td> </tr> <tr> <td></td> <td>Tel: +86 592 610 2388 ext. 3233 mailto: ori.liu@epcos.com</td> </tr> </table>	Contact	Liu Lori	Division	XM ALU	Address	413-419 Tongji Nan Road, Jimei Xiamen · 361021 P.R. CHINA		Tel: +86 592 610 2388 ext. 3233 mailto: ori.liu@epcos.com	<p>Important remarks:</p> <ol style="list-style-type: none"> 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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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 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