

MKK Film Capacitor

Material Data Sheet

Product Class	Film capacitors B25673xx
Date	18/11/2019
IMDS ID if available	NA
Version	5.02.1a (03/2019)

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	Thermoplastic	2A	PP	100	9003-07-0	40.4 (if PA)	
						42.7 (if AL)	
	Heavy metal	1C	Zn	94	7440-66-6	9.8	
	Light Metal	1B	AL	6	7429-90-5		
	Light Metal or	1B	Al or Polyamide (depending upon	100	7429-90-5 or 628-02-4	1.4 (if Al)	
	Thermoplastic	2A	specific type)			2.7(if PA)	
	Thermoplastic	2A	Polyester	99	25038-59-9	3	
	Light Metal	1B	Silicon	1	7440-21-3		
Encapsulation	Light metal	1B	Al	100	7429-90-5	10	
	Light metal	1B	Al	97	7429-90-5	3.5	
			Mg	3	7439-95-4		
	Thermoplastic	2A	Polyamide	100	628-02-4	4	
	Duromer	2D	Polyurethane	100	Not available	18	
Termination	Light Metal	1B	Al	97	7429-90-5	1.2	
			Mg	3	7439-95-4		
	Thermoplastic	2A	Polyamide	95	628-02-4	2	
	Iron & Steel	1A	Fe	5	7439-86-6		
	Heavy metal	1C	Cu	100	7440-50-8	2.3	
	Organic solid	4B	Adhesive and Sealers	100		0.7	
	Mineral material	3B	Ceramic	100	13376-74-4	1.7	
		1C	Brass Alloy	97			
	Heavy Metals	1C	Pb	3	7439-92-2		
	Heavy metal	1C	Sn	99.3	7440-31-5	0.4	
			Cu	0.7	7440-50-8		
Termination	Iron and Steel	1A	Fe	92	7439-89-6		
	Heavy Metal	1C	Zn	8	7440-66-6	0.3	
					Sum in total:	100	

si	zes dxh [mm]	weight range [kg]	sizes dxh [mm]	weight range [kg]	sizes dxh [mm]	weight range [kg]	sizes dxh [mm]	weight range [kg]
85	ix125	0.7	100x162	1.4	116x164	2.1	136x.200	3.2
85	ix162	1.0	100x200	1.7	116x220	2.2		
					116x224	2.7		
					116x248	3.0		

Not Part of a Product Class

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*) others: .(not declarable or prohibited substances acc. GADSL)

Important remarks:

- The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are product parts, substances etc. that are below a percentage of 0.1 % by weight, if not otherwise regulated.
- 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, IMPULED 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.

^{**)} typical mass percentage of substance



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