

## CeraCharge

Product Class	CeraCharge B73xxxA*						
Date	09.12.2019		1				
IMDS ID if available							
Version	5.04						
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	Ceramic	3B	Li3V2(PO4)3	100		17	
Electrolyte	Ceramic	3B	Li1,3Al0,3Ti1,7(PO4)3 Li3PO4	97 3	10377-52-3	57.8	
Charge collector	Heavy Metal	1C12	Cu	100	7440-50-8	25	
Termination	Heavy Metal Heavy Metal Heavy Metal	1D7 1C14 1C2	Ag Ni Cr	100 100 100	7440-22-4 7440-02-0 7440-47-3	0.16 0.03 0.01	
	neuvy wetar	102		100	Sum of total	100	
<b>sizes [ mm]</b> 4.4 x 3.0 x 1.1	weight range [g] 0,05	material numbers B73180A 101M 62	part numbers BCT1812M101AG	<b>case size</b> 1812	oun or total	100	
Not part of a Product (	Class						
Contact	Ronner Christoph			Important remarks:			
Division	PPD Q QM			<ol> <li>The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are</li> </ol>			
Address	8530 Deutschlandsberg	J, AUSTRIA		product parts, substances etc. that are below a percentage of 0.1 % t		percentage of 0.1 % by we	ight, if not otherwise
	Tel:	mailto:	ally a la standard fail anna	regulated. 2) This Material Data Sheet contains typical values of the respective products set forth			
*) others: .(not declarab **) typical mass percent	+43 3462 800 2139 le or prohibited substan lage of substance	[functional.ppd-eqpm.db@t ces acc. GADSL)	uk-elecuronics.tak.com	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 of the European Parlian	herein are "RoHS-con nent and of the Council	npatible". RoHS-compation of June 8 <sup>th</sup> , 2011 on the	tible means that products are c restriction of the use of certair	ompatible with the req hazardous substance	uirements according to Art. 4 es in electrical and electronic e	(substance restrictions) of l quipment.	Directive 2011/65/EU
RoHS - Exemptions fo	r the Product Class / F	Product according to Ar	nnex III: ( 🗹 valid 🛛 not vali	d )			

☑ 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 electric 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 .