

PTC

Material Data Sheet

Product Class	Overcurrent Protection B59xxxCxxxxA5*							
Date								
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	Ba-titanates Ca-titanates others*)	90 9 1	12047-27-7 12049-50-2	67.8		
Termination	Heavy Metal Heavy Metal	1C12 1C14 1C2	Cu Ni Cr	100 100 100	7440-50-8 7440-02-0 7440-47-3	0.09 0.06 0.05		
Solder	Heavy Metal	1C8	Sn Ag	96.5 3.5	7440-31-5 7440-22-4	6		
Leads	Iron & Steel incl. Alloys Heavy Metal	1A 1C12	Fe Cu	100	7439-89-6 7440-50-8	16.3		
	Heavy Metal	1C8	Sn	100	7440-31-5	0.9		
Coating	Organic, solid	4B1	Lacquer	100	Sum of total	100		
sizes [mm] 5 x 1					oun or total	100		
Not part of a Product	Class							
Contact	Ronner Christoph			Important rema	Important remarks:			
Division	PPD Q QM			*	1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are			
Address	8530 Deutschlandsberg	, AUSTRIA		product parts, substances etc. that are below a percentage of 0.1 % by weight, if not otherwise regulated.				
*) others: .(not declarat **) typical mass percen	Tel: +43 3462 800 2139 ole or prohibited substandage of substance	mailto: functional.ppd-eqpm.db⊚ ces acc. GADSL)	otdk-electronics.tdk.com	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. 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.				
of the European Parliar RoHS - Exemptions for If no exemptions; Exemption 6 (a): Exemption 6 (b): Exemption 6 (c): Exemption 7 (a): Exemption 7 (c)-II: Exemption 7 (c)-II: Exemption 7 (c)-II: Exemption 7 (c)-III: Exemption 15:	ment and of the Council of the Product Class / P ead as an alloying element in ead as an alloying element in opper alloy containing up to ead in high melting temperate lectrical and electronic compaed in dielectric ceramic in caead in dielectric ce	of June 8 th , 2011 on the roduct according to A a steel for machining purport aluminium containing up the 4% lead by weight; ure type solder (i.e. lead-ba onents containing lead in a apacitors for a rated voltage apacitors for a rated voltage viable electrical connection	e restriction of the use of ce Annex III: (☑ valid ☐ no ses and in galvanized steel cont to 0.4 % lead by weight; sed alloys containing 85 % by v	are compatible with the recentain hazardous substance t valid) aining up to 0,35 % lead by we veight or more lead); ectric ceramic in capacitors, e gher; / DC;	e.g. piezoelectronic devices, or in a gle	juipment.		