

PTC

Material Data Sheet

Product Class	Sensors SMD B594xxA* 14.10.2019							
Date								
IMDS ID if available								
Version	5.05		1					
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 Pb-titanates Sr-titanates Ca-titanates others*)	67 12 10 10	12047-27-7 12060-00-3 12060-59-2 12049-50-2	79.62		
Termination	Composite	4D	Ag Glass frit (lead-boro-silicate) Epoxy	86 0.8 13.2	7440-22-4	10.23		
	Heavy Metal	1C14	Ni	100	7440-02-0	5.58		
	Heavy Metal	1C8	Sn	100	7440-31-5	4.5		
	Heavy Metal	1C2	Cr	100	7440-47-3	0.07		
					Sum of total	100		
sizes [mm] 1.0 x 0.5 x 0.5	weight range [g] 0.0014	material numbers B59421A135*	EIA size 0402					
Not part of a Product (Class							
Contact	Ronner Christoph Important remarks:							
Division	PPD Q QM			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.				
	Tel: +43 3462 800 2139	mailto: functional.ppd-eqpm.db@to	dk alastronias tdk sam	This Material Data Sheet contains typical values of the respective products set forth				
*) others: .(not declarab **) typical mass percent			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 Parlian RoHS - Exemptions fo no exemptions; Exemption 6 (a): Le Exemption 6 (b): Le Exemption 7 (c): Ek Exemption 7 (c)-II: Ek Exemption 7 (c)-II: Le Exemption 7 (c)-III: Le	nent and of the Council or the Product Class / P and as an alloying element in and as an alloying element in apper alloy containing up to add in high melting temperate add in dielectric ceramic in ca and in dielectric ceramic in ca and in solders to complete a	of June 8 th , 2011 on the roduct according to An steel for machining purpose a luminium containing up to 4 % lead by weight; ure type solder (i.e. lead-bass onents containing lead in a gapacitors for a rated voltage apacitors for a rated voltage of a pacetors for a rated voltage of a pacetors.	ible means that products are comprestriction of the use of certain has the strict of the use of certain has the strict of the use of certain has the strict of the strict	to 0,35 % lead by wei	es in electrical and electronic en ght; g. piezoelectronic devices, or in a gl	quipment.		