

PTC

Product Class	s Sensors, Overcurrent Protection SMD B59xxxA* (lead-free) 14.10.2019						
Date			-				
IMDS ID if available							
Version	5.05		-				
Product Part	Material Class	Material	Substance	TMPS**)	CAS	typical mass of	Traces
(IMDS: semi component)	(IMDS: Material)	(Classification) VDA 231	oustance	[wt%]	if applicable	material [wt-%]	see 1)
Active Part	Ceramic	3B	Ba-titanates	79	12047-27-7	97	
			Sr-titanates	10	12060-59-2		
			Ca-titanates	10	12049-50-2		
		ļ	others*)	1			
Termination	Heavy Metal	1C8	Sn	100	7440-31-5	1.89	<u>_</u>
	Heavy Metal	1C14	Ni	100	7440-02-0	1.08	
	Heavy Metal	1C2	Cr	100	7440-47-3	0.03	
sizes [mm]	weight range [g]	material numbers	EIA size	sizes [mm]	Sum of total weight range [g]	100 material numbers	EIA size
1.6 × 0.8 × 0.9 3.2 × 2.5 × 1.6	0.006	B59601A075*, B59601A085*, B59602A055*, B59603A055*, B59603A105*, B59603A105*, B59622A090*, B59641A075*, B59641A085* B59607A120*, B59607A120*,	1210	2.0 x 1.2 x 0.8	0.011	B59701A070*, B59701A090*, B59701A100*, B59701A110*, B59701A120*, B59701A130*, B59721A070*, B59721A080*, B59721A100*, B59721A100*, B59721A110*, B59721A120*,	0805
Not part of a Product (Class	B59907A120*				B59721A130*	
Contact	Ronner Christoph	4		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			
	Tel:	regulated. mailto: 2) This Material Data Sheet contains typical values of the				al values of the respective	e products set forth
*) others: .(not declarab **) typical mass percent	+43 3462 800 2139 le or prohibited substan age of substance	<u>[functional.ppd-eqpm.db@t</u> ces acc. GADSL)	ak-electronics.tdk.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.			
			ible means that products are con restriction of the use of certain ha	npatible with the requirer			of Directive 2011/65/EU
					electrical and electronic e	գա <u>ր</u> ութու.	
Image: Second	ad as an alloying element in ad as an alloying element in opper alloy containing up to ad in high melting temperat sectrical and electronic comp ad in dielectric ceramic in c ad in dielectric ceramic in c	n steel for machining purpose n aluminium containing up to 4 % lead by weight; ure type solder (i.e. lead-bas onents containing lead in a g apacitors for a rated voltage apacitors for a rated voltage viable electrical connection b	nnex III: (☑ valid □ not valid as and in galvanized steel containing up 0,4 % lead by weight; ed alloys containing 85 % by weight or lass or ceramic other than dielectric ce of 125 V AC or 250 V DC or higher; of less than 125 V AC or 250 V DC; etween semiconductor die and carrier	, p to 0,35 % lead by weight; more lead); rramic in capacitors, e.g. pie		lass or ceramic matrix compo	bund;