

PTC

Material Data Sheet

Product Class	B Heating Elements B59xxxA* 08.10.2019 5.07						
Date							
IMDS ID if available							
Version							
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*)	69 15 10 5	12047-27-7 12060-00-3 12060-59-2 12049-50-2	99.7	
Termination	Noble Metal	1D7	Ag	100	7440-22-4	0.14	
	Heavy Metal	1C14	Ni	100	7440-02-0	0.09	
	Heavy Metal	1C2	Cr	100	7440-47-3	0.07	
					Sum of total	100	
sizes [mm] 12 x 2	weight range [g] 1.2	material numbers B59670A* B59669A1* B59262A1* B59035A4809Y 10	sizes [mm] 12 x 1	weight range [g] 0.6	material numbers B59260A1* B59261A1* B59125A1*		
Not part of a Product	Class						
Contact	Ronner Christoph	nristoph Important remarks:					
Division	PPD Q QM 1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906).						1906). Traces are
Address	8530 Deutschlandsberg, AUSTRIA product parts, substances etc. that are below a percentage of 0.1 % by weight, if n regulated.						ight, if not otherwise
*) others: .(not declarab **) typical mass percent	Tel: +43 3462 800 2139 ble or prohibited substan tage of substance	mailto: functional.ppd-eqpm.db@t ces acc. GADSL)	dk-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 ou 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 fo no exemptions; Exemption 6 (a): Exemption 6 (b): Exemption 6 (c): Exemption 7 (a): Exemption 7 (c)-II: Exemption 7 (c)-III: Exemption 7 (c)-III: Exemption 7 (c)-III: Exemption 15:	ment and of the Council or the Product Class / P and as an alloying element in and as an alloying element in opper alloy containing up to said in high melting temperat lectrical and electronic comp and in dielectric ceramic in cue	of June 8 th , 2011 on the product according to An a steel for machining purpose a aluminium containing up to 4 % lead by weight; ure type solder (i.e. lead-basionents containing lead in a g apacitors for a rated voltage of apacitors for a rated voltage viable electrical connection by	restriction of the use of ce nnex III: (☑ valid ☐ not as and in galvanized steel conta 0,4 % lead by weight; ed alloys containing 85 % by w llass or ceramic other than diel of 125 V AC or 250 V DC or hig of less than 125 V AC or 250 V	eight or more lead); sectric ceramic in capacitors, e.g. piez	electrical and electronic en	quipment.	