

PTC

Product Class	Overcurrent Protection SMD B59xxxP1* 14.10.2019							
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	3В	Ba-titanates Pb-titanates Sr-titanates Ca-titanates others*)	67 12 10 10 1	12047-27-7 12060-00-3 12060-59-2 12049-50-2	27.9		
Termination	Noble Metal Heavy Metal Heavy Metal	1D7 1C14 1C2	Ag Ni Cr	100 100 100	7440-22-4 7440-02-0 7440-47-3	0.046 0.03 0.024		
Solder	Heavy Metal	1C8	Sn Ag	96 4	7440-31-5 7440-22-4	2		
Leads Encapsulation	Heavy Metal Heavy Metal Thermoplastic	1C12 1C8 2A	Cu Sn PPS GF40	100 100 100	7440-50-8 7440-31-5 26125-40-6	13.2 0.8 56		
Enoupsulation	memoplastic	2/1		100	Sum of total	100		
sizes [mm] 3.3 x 6.3 x 8	weight range [g] 0.4	material numbers B59101P1080* B59101P1120* B59115P1080* B59115P1120* B59215P1080* B59215P1120*		sizes [mm] 3.3 x 8 x 10	weight range [g] 0.6	material numbers B59315P1080* B59315P1120*		
Not part of a Product (Class							
Contact	Ronner Christoph			Important remarks	Important remarks:			
Division	PPD Q QM 1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Trace product parts, substances etc. that are below a percentage of 0.1% by weight, if not ot						,	
Address	8530 Deutschlandsberg Tel:	, AUSTRIA mailto:		regulated.				
*) others: .(not declarab **) typical mass percent	+43 3462 800 2139 le or prohibited substan	functional.ppd-eqpm.db@t	dk-electronics.tdk.com	herein. We express best present knowle specifications, unle AFFILIATES HERE WHETHER EXPRE AND VALUES COM	al Data Sheet contains typica sly point out that all values ar edge and cannot be regarde ess otherwise explicitly agree EBY EXPRESSLY DISCLAIM ESS, IMPLIED OR STATUTO NTAINED HEREIN, INCLUDI IN OR WARRANTY OF MER	nd statements contained he d as binding statements or d in writing. TDK ELECTRO I ANY REPRESENTATION NRY, WITH REGARD TO TH NG BUT NOT LIMITED TO	rein are based on our binding product DNICS AG AND ITS OR WARRANTY, HE STATEMENTS ANY	
of the European Parlian	nent and of the Council	of June 8 th , 2011 on the		re compatible with the requination reading the requination of the requ	irements according to Art. 4 in electrical and electronic e		Directive 2011/65/EU	
□ Exemption 6 (b): Le □ Exemption 6 (c): Co □ Exemption 7 (a): Le □ Exemption 7 (c): EI □ Exemption 7 (c): Le □ Exemption 7 (c): Le	ead as an alloying element in opper alloy containing up to ead in high melting temperat ectrical and electronic comp ead in dielectric ceramic in c ead in dielectric ceramic in c	n aluminium containing up to 4 % lead by weight; ure type solder (i.e. lead-bas ponents containing lead in a g apacitors for a rated voltage apacitors for a rated voltage viable electrical connection t	0,4 % lead by weight; ed alloys containing 85 % by w plass or ceramic other than diek of 125 V AC or 250 V DC or hig of less than 125 V AC or 250 V	ectric ceramic in capacitors, e.g. her;	piezoelectronic devices, or in a g	lass or ceramic matrix compoun	d;	