Surge Arrester



Product Clas	uct Class S20-A*, S20-C* B88069X* (Tin plated) 11/21/2023							
Date								
IMDS ID if available								
Version	5.01							
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	AI203	100	1344-28-1	50		
	Metal	IC11	Cu	100	7440-50-8	38		
Brazing ring	Metal	4D	Ag Cu	72 28	7440-22-4 7440-50-8	6		
Plating	Metal	1C8	Sn	100	7440-31-5	6		
					Sum of total	100		
sizes [mm] 1.6 X 3.2	weight range[g] part name 0.05 S20-A200X S20-A470XHC				material numbers B88069X9731/6103* B88069X8063*			
Not part of a Produ	ct Class							
Contact	Mohd Faizal Jamalud	in		Important remai	Important remarks:			
Division	TDK ELECTRONICS (MALAYSIA) SDN BHD			1) The decla	1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are			
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*) others: .(not declarable or prohibited substances acc. GADSL) **) typical mass percentage of substance				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.				
					uirements according to Art. 4 (s	,	rective 2011/65/EU of	
RoHS - Exemptions	s for the Product Class /	Product according to	Annex III: (🗹 valid 🛛 n	ot valid)				
☑ no exemptions; □ Exemption 6 (a): □ Exemption 6 (b): □ Exemption 6 (c): □ Exemption 7 (a): □ Eventor 7 (a):	Lead as an alloying elemer Copper alloy containing up	nt in aluminium containing u to 4 % lead by weight; rrature type solder (i.e. lead	p to 0,4 % lead by weight; -based alloys containing 85 %		weight;			

- Exemption 7 (c)-I: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound;
- Exemption 7 (c)-II: Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher;
- Exemption 7 (c)-III: Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC;
- Exemption 15: Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages;
- Other Exemption than above