

Surge Arrester

Product Class	EC*X (Wire, Tin plated) 2/7/2024						
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	27	
	Metal	1C11	Cu	100	7440-50-8	53	
Brazing ring	Metal	4D	Ag	72	7440-22-4	3	
			Cu	28	7440-50-8		
Plating	Plating	1C8	Sn	100	7440-31-5	1	
Termination	Metal	1C11	Cu	100	7440-50-8	15	
	Metal	1C8	Sn	100	7440-31-5	1	
					Sum of total	100	
sizes [mm] Ø8 X 6.05 X 62	weight range[g] 1.4	part name EC75X EC90X EC90XG EC145X EC150X EC230XCA EC230XG EC230XG EC230XG EC230XG EC230XFA EC350X EC350XG EC425X EC470X EC470XG EC600XG			material numbers B88069X0180* B88069X0720* B88069X5110* B88069X5970* B88069X0880* B88069X0860* B88069X0850* B88069X0850* B88069X0840* B88069X0840* B88069X0810* B88069X0810* B88069X0820* B88069X5820* B88069X5740* B88069X5800* B88069X0780* B88069X0790*		
Not part of a Product	Class						
Not part of a Product	Class						

Material Data Sheet

Surge Arrester

Product Class	EC*X (Wire, Tin plated)
Date	2/7/2024
IMDS ID if available	
Version	5.01

Contact	Mohd Faizal Jamalud	n	Important remarks:		
Division	TDK ELECTRONICS	(MALAYSIA) SDN BHD	1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are		
Address	11 Jalan Firma 3 Teb Tel: +60-7-3566629	au Ind IV, 81100 JB Malaysia mailto: mohdfaizal.jamaludin@tdk.com	1) The declatation limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are product parts, substances etc. that are below a percentage of 0.1% by weight, if not otherwise regulated. 2) This Material Data Sheet contains typical values of the respective products set forth		
*) others: .(not declarable or prohibited substances acc. GADSL) **) typical mass percentage of substance			b) Initial initial distribution of the expressive 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.		

The products set forth herein are "RoHS-compatible". RoHS-compatible means that products are compatible with the requirements according to Art. 4 (substance restrictions) of Directive 2011/65/EU of the European Parliament and of the Council of June 8th, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

RoHS - Exemptions for the Product Class / Product according to Annex III: (🗹 valid 🛛 not valid)

☑ no exemptions;

Exemption 6 (a): Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0,35 % lead by weight;

Exemption 6 (b): Lead as an alloying element in aluminium containing up to 0,4 % lead by weight;

Exemption 6 (c): Copper alloy containing up to 4 % lead by weight;

Exemption 7 (a): Lead in high melting temperature type solder (i.e. lead-based alloys containing 85 % by weight or more lead);

Exemption 7 (c)-1: 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 ...