

## Surge Arrester Components

## **Material Data Sheet**

Product Class:		LN8A-A1400DC-5 B88069X1003T302 10.03.2020								
IMDS ID if available										
Version:		5.03								
Product Part (IMDS: semi component)	Material Class (IMDS: Material)		Material (Classification) VDA 231			TMPS**) [wt%]		CAS if applicable	typical mass of material [wt-%]	Traces see 1)
	Ceramic Metal		3B 1C11	Al2O3 Cu		100 100		1344-28-1 7440-50-8	45 52	
Active Part										
Brazing ring	Metal		1D7	Ag Cu		72 28		7440-22-4 7440-50-8	0.75 0.25	
Plating	Plating		1C8	Sn		100		7440-31-5	2	
Termination										
Failsafe / Cap /Disc										
								Sum in total:	100	
sizes [] 16.3 X 8.4 X 9.5 Not part of a pro	weight rang 5.5g oduct clas									
Contact N	/lohd Faiz	al Jamalu	din			Imp	ortant remarks	5:		
Division         TDK Electronics (Malaysia) Sdn. Bhd.         1)         The declaration limit is 0.1% as defined by IEC62474(IEC PAS 61906). Traces a product parts, substances etc. that are below a percentage of 0.1 % by weight, if r otherwise regulated										0.1 % by weight, if not
Tel: +60-7-3566629     mailto: mohdfaizal.jamaluddin@epccs.com       *) 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. EPCOS 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 Directive 2011/6	5/EU of the	European		uncil of	f June 8 <sup>th</sup> , 2011 o	on the res	oducts are compa striction of the use	tible with the requirem e of certain hazardous	ents according to Art. 4	(substance restrictions) and electronic equipment
✓ no exemptions;		•	oduct class / produc		-					
Exemption 6 (a):			ent in steel for machining pur		•	el containi	ng up to 0,35 % lead	d 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 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);										
,			components containing lead i					tors, e.g. piezoelectronic o	levices, or in a glass or cerar	nic matrix compound;
Exemption 7 (c)-II:	Lead in diele	ectric cerami	c in capacitors for a rated volt	tage of 1	25 V AC or 250 V D	C or highe	r;			
Exemption 7 (c)-III:	Lead in diele	ectric cerami	c in capacitors for a rated volt	tage of le	ess than 125 V AC or	r 250 V D	C;			
Exemption 15:	Lead in sold	ers to comple	ete a viable electrical connect	tion betw	veen semiconductor of	die and ca	rrier within integrate	d circuit Flip Chip package	es;	
Other Exemption the	an above									