

## Surge Arrester Components

## **Material Data Sheet**

Product Class:		M51-A150XSMD B88069X9831T902										
Date		10.03.2020			-							
IMDS ID if available												
Version:		5.03			-							
Product Part (IMDS: semi component)		aterial Class IDS: Material (Classification VDA 231		Substance		TMPS**) [wt%]		CAS if applicable	typical mass of material [wt-%]	Traces see 1)		
	Ceramic		3B	AI2O3		100		1344-28-1	16			
	Metal		1C14	Ni		42		7440-02-0	21			
Active Part			1A	Fe	!	58		7439-89-6	30			
<b>_</b>	Metal		1D7	Ag		72		7440-22-4	1.5			
Brazing ring				Cu		28		7440-50-8	0.5			
Plating	Plating		1C14	Ni		100		7440-02-0	2			
Termination	Metal		1C11	Cu		95		7440-50-8	28.98			
	Metal		1C8	Sn		5		7440-31-5	0.02			
Failsafe / Cap /Disc												
							Sum in total:	100				
sizes []	weight rang	ge []										
5 X 60 X 5	0.95g											
Not part of a pr	oduct cla	SS										
	Mohd Faiz					Im	portant remarks	6:				
Division	TDK Elect	TDK Electronics (Malaysia) Sdn. Bhd.						<ol> <li>The declaration limit is 0.1% as defined by IEC62474(IEC PAS 61906). Traces are product parts, substances etc. that are below a percentage of 0.1% by weight, if not</li> </ol>				
Address			brau Ind 4, 81100 JB	Mala	ysia	otherwise regulated				0.1 % by weight, if not		
1	Tel: +60-7-3566629		mailto: mohdfaizal.ja electronics.tdk.com		amaludin@tdk-		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					
*) others: .(not declarable or prohibited substances acc. GADSL) **) typical mass percentage of substance							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.					
The products s of Directive 2011/6	et forth h 55/EU of the	<mark>erein are</mark> European	"RoHS-compatible". Parliament and of the Co	RoHS ouncil (	6-compatible mear of June 8th, 2011	ns that p on the re	roducts are compa	tible with the requirem	ents according to Art. 4			
RoHS - Exem	ptions fo	r the pro	oduct class / produ	ct ac	cording to An	nex II	II:( ⊠ valid □ no	ot valid)				
<ul> <li>☑ no exemptions;</li> <li>□ Exemption 6 (a):</li> </ul>	Lead as an	alloying elerr	nent in steel for machining pu	rposes	and in galvanized ste	el contair	ning up to 0,35 % lead	I by weight;				
Exemption 6 (b):	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):			perature type solder (i.e. lead									
			components containing lead	-				tors, e.g. piezoelectronic d	evices, or in a glass or cerai	mic matrix compound;		
			c in capacitors for a rated vol c in capacitors for a rated vol	-		-						
Exemption 7 (c)-III			ete a viable electrical connec					d circuit Flip Chip package	IS:			