

Umbrella Specification (Revision 2)
Product Content Sheet and Weight List

Surge Arresters

Product Class:	FS	Company	Product Class Identification
Date	20.03.2010	EPCOS	FS*
IMDS ID	81134023		
Version	1.0		

Product part (IMDS: semi component / Halbzeug)	Material (IMDS Material / Werkstoff)	Material (Classification) ISO 22628 / VDA 231 or EESG	Substance	TMPS**) [wt%]	CAS if applicable	typical mass of material [wt-%]	Traces see 2)
Active Part	Ceramic	4B	Al ₂ O ₃	38,4	1344-28-1	28	
	Metal	1D	Cu	61,6	7440-50-8	45	
Termination	Nobel Metal	1D	Cu	100	7440-22-4	22	
	Nobel Metal	1D	Ag	100	7440-22-4	1	
	Heavy Metal	1C	Sn	100	7440-31-5	1	
Brazing Ring	Nobel Metal	1D	Ag	72	7440-22-4	2	
	Nobel Metal	1D	Cu	28	7440-50-8		
Plating	Heavy Metal	1C	Sn	100	7440-31-5	1	
Sum in total:						100	

Case sizes and weight range:	Type FS*	8 x 60 x 8 mm	1,6	[g]
Not part of a product class (oder) group				

Company	EPCOS	Important remarks:
<p>*) others: not declarable or prohibited substances acc. GADSL</p> <p>**) typical mass percentage of substance</p>		<p>1) The declaration limit is 0.1% as defined by IEC PAS 61906. Traces are product parts, substances etc. that are below a percentage of 0.1 % by weight, if not otherwise regulated.</p> <p>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 legally binding statements or product specifications, unless otherwise explicitly agreed in writing. ZVEI AND COMPANIES AS MENTIONED HEREBY EXPRESSLY DISCLAIM ANY REPRESENTATION, WARRANTY AND LIABILITY 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.</p> <p>3) Compositional data on widely used electric/electronic components is available as MDS (material data sheets) published by ZVEI at IMDS for different types of electric/electronic components. Any use of MDS does not affect the user's obligation to ensure compliance of contained material information with actual material composition of the respective components. It is the user's sole responsibility not to misuse a ZVEI MDS. The user shall be liable for any indemnification arising from misuse or non-compliance.</p>