

Varistor

Product Class	Multilayer Varistor CN-Type B725xxV/H* ; B725x2V* 17.12.2019						
Date							
IMDS ID if available							
Version	5.06						
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	ZnO Bi2O3 Sb2O3 Co3O4 NiO others*)	89 3 5 1 1	1314-13-2 1304-76-3 1309-64-4 1308-06-1 1313-99-1	91	
Inner Electrode	Noble Metal	1D7	Ag Pd	75-90	7440-22-4 7440-05-3	1.5	
Termination	Composite	4D	for B725xxV/H* (CNG): Ag Pd Glass frit (lead-boro-silicate) for B725x2V* (CNGK2): Ag Pt Glass frit (lead-boro-silicate)	95.4 2	7440-22-4 7440-05-3 7440-22-4 7440-06-4	7.5	
					Sum of total	100	
sizes [mm] 1.0 x 0.5 x 0.5 1.6 x 0.8 x 0.8 2.0 x 1.2 x 0.7 3.2 x 1.6 x 0.8	weight range [g] 0.001 - 0.004 0.004 - 0.007 0.007 - 0.02 0.02 - 0.04	material numbers B7259xxV* B7250xxV/H* B7251xxV/H* B7252xxV/H*	part numbers 0402 0603 0805 1206	sizes [mm] 3.2 x 2.5 x 0.8 4.5 x 3.2 x 2.3 5.7 x 5.0 x 1.7	weight range [g] 0.04 - 0.1 0.08 - 0.2 0.15 - 0.45	material numbers B7253xxV/H* B7258xxV/H* B7254xxV/H*	part numbers 1210 1812 2220
Not part of a Product (Class						
Contact	Ronner Christoph			Important remarks:			
Division	PPD Q QM			1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are			
Address 8530 Deutschlandsberg, AUSTRIA Tel: mailto: +43 3462 800 2139 functional.ppd-eqpm.db@tdk-electronics.tdk.com *) others: .(not declarable or prohibited substances acc. GADSL) **) typical mass percentage of substance				 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 herein. We expressly point out that all values and statements contained herein are based on or 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 CONT REPRESENTATION PURPOSE.	TAINED HEREIN, INCLUDI OR WARRANTY OF MER	NG BUT NOT LIMITED CHANTABILITY OR SUI	TO ANY TABILITY FOR ANY
			ible means that products are com restriction of the use of certain ha				of Directive 2011/65/EU
no exemptions; Exemption 6 (a): Le Exemption 6 (b): Le Exemption 6 (c): Cc Exemption 7 (a): Le Exemption 7 (c)-I: Ele	ad as an alloying element in ad as an alloying element in opper alloy containing up to ad in high melting temperat ectrical and electronic comp	n steel for machining purpose a aluminium containing up to 4 % lead by weight; ure type solder (i.e. lead-bas ionents containing lead in a g	anex III: (☑ valid □ not valid) Is and in galvanized steel containing up 0,4 % lead by weight; ed alloys containing 85 % by weight or lass or ceramic other than dielectric cer of 125 V AC or 250 V DC or higher;	to 0,35 % lead by weight more lead);		lass or ceramic matrix compo	bund;

- Exemption 17 (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