



Chokes for Power Lines

Material Data Sheet

Product Class:	Power line Choke B82725A2***N0**	MAN OF THE MAN AND AND AND AND AND AND AND AND AND A
Date	26.07.2021	1 - 1
IMDS ID if available		
Version:	03	

Material Class (IMDS: Material)	Material (Classification) VDA 231	Substance		TMPS**) [wt%]	CAS if applicable	typical mass of material [wt-%]	Traces see 1)
Ceramic	4B	Nickel Zinc Ferrite		100	12645-50-0	54.3	
Duromer	2C	Epoxy (EP)		100	25068-38-6	1.7	
Heavy Metal	1C	Cu		100	7440-50-8	15.2	
Elastomer	2B	Polyurethane (PUR)		100	68400-67-9	0.8	
Thermoplastic		Polycarbonate (PC)		89.8	25971-63-5	11	
	2A	Glass fiber		10	65997-17-3	1 ''	
		PFBS		0.2	29420-49-3		
Elastomer	2C	Polyurethane (PUR)		100	68400-67-9	12	
Heavy Metal	1C	Cu		62	7440-50-8		
		Ni		18	7440-02-0	4.5	
		Zn		20	7440-66-6		
Heavy Metal	1C	Ni		100	7440-02-0		Х
Heavy Metal	1C	Sn		100	7440-31-5	0.5	
•	•	•			Sum in total:	100.0	
Weight [approx. in g] 4672	Part Numbers B82725A2102N001 B82725A2103N001 B82725A2122N020	B82725A2143N020 B82725A2163N020 B82725A2202N001 B82725A2402N001	B82725A2402N020 B82725A2602N001 B82725A2802N001 B82725A2123N040	B82	725A2802N020		
	(IMDS: Material) Ceramic Duromer Heavy Metal Elastomer Thermoplastic Elastomer Heavy Metal Heavy Metal Heavy Metal Weight [approx. in g]	(IMDS: Material) (Classification) VDA 231 Ceramic 4B Duromer 2C Heavy Metal 1C Elastomer 2B Thermoplastic 2A Elastomer 2C Heavy Metal 1C Heavy Metal 1C Heavy Metal 1C Weight Part Numbers [approx. in g] B82725A2102N001 B82725A2103N001	(IMDS: Material) (Classification) VDA 231 Ceramic 4B Nickel Zinc Ferrite Duromer 2C Epoxy (EP) Heavy Metal 1C Cu Elastomer 2B Polyurethane (PUR) Thermoplastic 2A Glass fiber PFBS Elastomer 2C Polyurethane (PUR) Heavy Metal 1C Ni Heavy Metal 1C Ni Heavy Metal 1C Sn Weight Part Numbers B82725A2102N001 B82725A2163N020 B82725A2202N001	(IMDS: Material) (Classification) VDA 231 Ceramic 4B Nickel Zinc Ferrite Duromer 2C Epoxy (EP) Heavy Metal 1C Cu Elastomer 2B Polyurethane (PUR) Thermoplastic 2A Polycarbonate (PC) Glass fiber PFBS Elastomer 2C Polyurethane (PUR) Heavy Metal 1C Ni Heavy Metal 1C Ni Heavy Metal 1C Sn Weight Part Numbers B82725A2143N020 B82725A2402N001 B82725	(IMDS: Material) (Classification) VDA 231 Substitute [wt%] Ceramic 4B Nickel Zinc Ferrite 100 Duromer 2C Epoxy (EP) 100 Heavy Metal 1C Cu 100 Elastomer 2B Polyurethane (PUR) 100 Thermoplastic 2A Glass fiber PFBS 0.2 Elastomer 2C Polyurethane (PUR) 100 Heavy Metal 1C Ni 18 Zn 20 100 100 Heavy Metal 1C Ni 100 Heavy Metal 1C Sn 100 Weight Part Numbers B82725A2143N020 B82725A2402N020 B82725A2602N001 4672 B82725A2103N001 B82725A2202N001 B82725A2402N001 B82725A2402N001	(IMDS: Material) (Classification) VDA 231 (Classification) (Classification) VDA 231 (IMT%) if applicable Ceramic 4B Nickel Zinc Ferrite 100 12645-50-0 Duromer 2C Epoxy (EP) 100 25068-38-6 Heavy Metal 1C Cu 100 7440-50-8 Elastomer 2B Polyurethane (PUR) 100 68400-67-9 Thermoplastic 2A Polycarbonate (PC) 89.8 25971-63-5 Glass fiber 10 65997-17-3 PFBS 0.2 29420-49-3 Elastomer 2C Polyurethane (PUR) 100 68400-67-9 Heavy Metal 1C Ni 18 7440-50-8 Heavy Metal 1C Ni 18 7440-66-6 Heavy Metal 1C Sn 100 7440-31-5 Weight [approx. in g] B82725A2102N001 B82725A2103N001 B82725A2202N001 B82725A2202N001 B82725A2202N001 B82725A2103N001 B82725A22103N001 B82725A2202N001 B82725A2202N001	(IMDS: Material) (Classification) VDA 231 (Classification) VDA 231 (Imt%) if applicable if applicable of material [wt-%] Ceramic 4B Nickel Zinc Ferrite 100 12645-50-0 54.3 Duromer 2C Epoxy (EP) 100 25068-38-6 1.7 Heavy Metal 1C Cu 100 7440-50-8 15.2 Elastomer 2B Polyurethane (PUR) 100 68400-67-9 0.8 Thermoplastic 2A Polycarbonate (PC) 89.8 25971-63-5 11 Glass fiber PFBS 0.2 29420-49-3 11 Elastomer 2C Polyurethane (PUR) 100 68400-67-9 12 Heavy Metal 1C Ni 18 7440-50-8 4.5 Heavy Metal 1C Ni 18 7440-02-0 4.5 Heavy Metal 1C Sn 100 7440-31-5 0.5 Weight [approx. in g] 4672 B82725A2103N001 B82725A2103N001 B82725A2103N001 B82725A2103N001 B82725A2020N001 </td

Contact	Dr. Johann Reindl, MAG EPQM				
Division	TDK Electronics AG, Magnetics Business Group (MAG)				
Address	Rosenheimer Strasse 116b, 81669 Munich				
	Tel: +49 89 54020 3030	mailto: johann.reindl@tdk-electronics.tdk.com			

^{*)} others: .(not declarable or prohibited substances acc. GADSL)

Important remarks:

- The declaration 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
- 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. 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)-l: 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

^{**)} typical mass percentage of substance