

Choke

Product Class:		PTH R18 B82622S0173L030									
Date 20.02.2014											
IMDS ID if available											
Version: 03						entire ent					
Material Class (IMDS: Material)		Material (Classification) VDA 231	Substance		TMPS**) [wt%]	CAS if applicable	typical mass of material [wt-%]	Traces see 1)			
Active Part Iron and Steel		1A	Iron Powder		100	7439-89-6	58.4				
Duromer		2C	Epoxy (EP)		100	25068-38-6	1.2				
Heavy M	etal	1C	Cu		100	7440-50-8	32				
Elastome	er	2B	Polyurethane (PUR)		100	68400-67-9	0.6				
-	1. 12	2A	Liquid Crystal Polymer (LCP)		70	147310-94-9	6.1				
Thermop	lastic		Glass fiber		30	65997-17-3					
Elastomer		2B	Polydimethylsilox		(MQ)	100	63148-62-9	0.8			
Heavy M	etal	1C	Cu		100	7440-50-8	0.8				
Heavy M	letal 1C		Sn		100	7440-31-5	0.1				
Sum in total: 100.0											
Size W x L x H Weight Part Numbers [max. in mm] [approx. in g]											
Contact Dr. Johann Reindl, MAG EPQM						Important remarks:					
Division TDK Electronics AG, Magnetics Business Group (MAG)					1) The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906) Traces are						
ddress Rosenheimer Strasse 116b, 81669 Munich					product parts, substances etc. that are below a percentage of 0.1 % by weight, if not otherwise regulated.						
Tel: +49 89 54020 3030 mailto:			onics tdk.com	2)	This Material Data Sheet contains typical values of the respective products set forth						
*) others: .(not declarable or prohibited substances acc. GADSL)					based on our best present knowledge and cannot be regarded as binding stat			statements			
**) typical mass percentage of substance					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 8 th , 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)											
Image: No exemptions; Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0,35 % lead by weight; Image: Exemption 6 (b): Lead as an alloying element in aluminium containing up to 0,4 % lead by weight; Image: Exemption 6 (c): Copper alloy containing up to 4 % lead by weight; Image: Exemption 7 (c): Lead in high melting temperature type solder (i.e. lead-based alloys containing 85 % by weight or more lead); Image: Exemption 7 (c): 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; Image: Exemption 7 (c): Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher; Image: Exemption 7 (c): Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC; Image: Exemption 7 (c): Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages; Image: Other Exemption than above Solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit Flip Chip packages;											
	(IMDS: N Iron and Duromer Heavy M Elastome Thermop Elastome Heavy M Heavy M Heavy M Heavy M Heavy M C Coduct Class Dr. Johann DK Electro Rosenheim el: +49.8954 coclarable co Dercentage et forth he El of the Eu ions for th Electrical an Lead as an a Copper alloy Lead in high Electrical an Lead in diele Lead in diele Lead in sold	03 Material Class (IMDS: Material) Iron and Steel Duromer Heavy Metal Elastomer Thermoplastic Elastomer Heavy Metal Elastomer Duronn Reindl, MAG EPC F [approx. in g] 13.0 B8262 Dr. Johann Reindl, MAG EPC F Dr. Johann Reindl, MAG EPC T DK Electronics AG, Magnet Rosenheimer Strasse 116b, i el: +49 89 54020 3030 Ecclarable or prohibited subst bercentage of substance Ecclarable or prohibited subst ext forth herein are "RoHS-C U of the European Parliament a fons for the Product Class Lead as an alloying element in alum Copper alloy containing up to 4 % le Lead in high melting temperature type Lead in dielectric ceramic in capacit Lead in dielectric ceramic in capacit Lead in solders to complete a viable A lead in blane	O3 Material Class (IMDS: Material) Material (Classification) VDA 231 Iron and Steel 1A Duromer 2C Heavy Metal 1C Elastomer 2B Thermoplastic 2A Elastomer 2B Heavy Metal 1C Weight Part Numbers [approx. in g] 13.0 B82622S0173L030;T6832 Oduct Class Dr. Johann Reindl, MAG EPQM Tok Electronics AG, Magnetics Business Group Rosenheimer Strasse 116b, 81669 Munich et: +49 89 54020 3030 mailto: johann.reindl@tdk-electri eclarable or prohibited substances acc. GADSL) percentage of substance et forth herein are "RoHS-compatible". RoHS-currentage of substance Product accordin Lead as an alloying element in steel for machining purposes ar Lead as an alloying element in aluminium containing up to 0.4 °Copper alloy containing up to 4 % lead by weight; Lead in high melting temperature type solder (i.e. lead-based a Electrical and electronic components containing lead in a glass Lead in dielectric ceramic in capacitors for a rated voltage of 12 Lead in dielectric ceramic in capacitors for a rated voltage of 12 Lead in dielectric ceramic in capacitors for a rated voltage of 12 Lead in solders to complete a viable electrical connection between the steel formachining lead in a glass	Image: Comparison of the product Class / Product according to Annex III: (Substance Iron and Steel 1A Iron Powder Duromer 2C Epoxy (EP) Heavy Metal 1C Cu Elastomer 2B Polyurethane (Pi Thermoplastic 2A Liquid Crystal Pc Elastomer 2B Polydimethylsiloz Heavy Metal 1C Cu Elastomer 2B Polydimethylsiloz Heavy Metal 1C Cu Heavy Metal 1C Substance Weight Part Numbers [approx. in g] 13.0 B8262250173L030;T6832 Douct Class Duct Class Dr. Johann Reindl, MAG EPQM DK Electronics AG, Magnetics Business Group (MAG) Rosenheimer Strasse 116b, 81669 Munich eit +49 89 54020 3030 mait: johan.reindl@tdk-electronics.tdk.com eclarable or prohibited substances acc. GADSL) percentage of substance et forth herein are "ROHS-compatible". RoHS-compatible means that: U of the European Parliament and of the Council of June 8 th , 2011 on the rein are individe electrication delectric ceramic in capacitors for a rated voltage of 125 VAC or 250 VDC or 12.	Image: Construction of the product	Material Class (IMDS: Material) Material (Classification) VDA 2311 Substance Iron and Steel 1A Iron Powder Duromer 2C Epoxy (EP) Heavy Metal 1C Cu Elastomer 2B Polyurethane (PUR) Thermoplastic 2A Liquid Crystal Polymer (LCP) Elastomer 2B Polydimethylsiloxane (MQ) Heavy Metal 1C Cu Elastomer 2B Polydimethylsiloxane (MQ) Heavy Metal 1C Cu Heavy Metal 1C Cu Basezzsotr3L030, T6822 Doduct Class	Image: state of the second	Image: state of the second s	Image: second secon		