

## Variat

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Varistor	Material Data Sheet												
Product Class:		Disk Varistor N* B722xxN*											
Date		30.09	.2019		-								
IMDS ID if available													
Version:		5.03											
Product Part (IMDS: semi component)	Material (IMDS: Mate		Material (Classification VDA 231		stance				TMPS**) [wt%]	CAS if applicable	typical mass material [wt-%]		aces ee 1)
Active Part	Ceramic		Bi. St Co Ni		ZnO 3i2O3 Sb2O3 Co3O4 4iO tthers*)				91 4,0 2,5 1 0,5 1	1314-13-2 1304-76-3 1309-64-4 1308-06-1 1313-99-1	53,5		
Termination	Composite		4D Cu o Ag					95	7440-50-8 7440-22-4	0,65			
Solder	Heavy M	Heavy Metal 1C8			Glass frit (boro-silicate) Sn Ag Cu				5 96,5 3 0,5	7440-31-5 7440-22-4 7440-50-8	5,35		
Leads	Heavy Metal		1C12 Cu						100	7440-50-8	38,8		
	Heavy Metal		1C8 Sn					100	7440-31-5	1,7			
sizes max [ mm] 7 9	weight ran 0.3 – 0.7 0.4 – 1.0	ge [ g ]	material numbers B72205N* B72207N*	sizes max 12 15.5	: [ mm]	weight range 0.9 – 2.8 1.3 – 7.4	9[g]	material r B72210N B72214N	*	Sum in total: sizes max [ mm] 21.5 27.5	100 weight range [ g ] 2.5 – 15.5	material nur B72220N* B72225N*	nbers
Not part of a P		SS	DIZZONA	10.0		1.0 7.4		DIZZIHN		21.0	5.0 – 22.0	DIZZZON	
•	Mr. Christo		ner				Imp	ortant re	marks:				
Division	PPD Q QM						<ol> <li>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.</li> </ol>						
Address	8530 Deutschlandsberg, AUSTRIA												
	Tel: +43 3462		mailto: functional.pp			onics.tdk.com	2)	This Ma	iterial Data	Sheet contains typical sly point out that all val			
**) typical mass		•	ited substances a	CC. GADSI	L)			based o or bindin ELECTI REPRE STATU HEREIN	n our best ng product RONICS AC SENTATIO TORY, WIT N, INCLUDI	present knowledge ann specifications, unless of G AND ITS AFFILIATE IN OR WARRANTY, W H REGARD TO THE S NG BUT NOT LIMITEI IERCHANTABILITY O	d cannot be regarded otherwise explicitly ag S HEREBY EXPRES (HETHER EXPRESS STATEMENTS AND \ O TO ANY REPRESE	as binding stat reed in writing. SLY DISCLAIN IMPLIED OR /ALUES CONT NTATION OR	tements TDK I ANY
										vith the requirements a rtain hazardous substa			tions)
RoHS - Exemp	tions for t	he Produ	uct Class / Produ	ct accord	ling to A	Annex III: (	⊠ valio	d 🗆 not vali	id)				
<ul> <li>☑ no exemptions;</li> <li>□ Exemption 6 (a):</li> <li>□ Exemption 6 (b):</li> </ul>			ment in steel for machin ment in aluminium conta		-		ontainin	g up to 0,35 °	% lead by we	ight;			
Exemption 6 (c):			g up to 4 % lead by weig	•	,	.,							
Exemption 7 (a):	-	-	mperature type solder (i				-			a ulamada da territo da t		makin as the	J.
,			c components containing nic in capacitors for a rai						capacitors, e.	g. piezoelectronic devices	, or in a glass or ceramic	matrix compound	1;
			nic in capacitors for a rai	-			-						
Exemption 15:			plete a viable electrical o		tween sem	niconductor die a	and carr	rier within inte	egrated circui	it Flip Chip packages;			
Other Exemption 1	han above												