

Transformer

Material Data Sheet

Product Class	EP6 SMD
	B78416A2232A003
Date	28.02.18
IMDS ID if available	
ii avaliable	
Version	10

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	4B	Manganese Zinc Ferrite	100	12645-49-7	32.1	
	Heavy Metal	1C	Cu	100	7440-50-8	25.4	
	Elastomer	2B	Polyurethane (PUR)	100	9009-54-5	1.3	
Encapsulation	Thermoplastic	2A	Phenoplast	35-50	9003-35-4	7.5	
			Glass fiber	50-65	65997-17-3		
	Duromer	2C	Epoxy resin (EP)	100	25068-38-6	0.5	
	Duromer	2C	Polyimide (PI)	100	26298-81-7	4.3	
	Duromer	2C	Acrylic polymer	100	9017-68-9	1.0	
	Heavy Metal	1C	Cu	100	7440-50-8	21.0	
	Heavy Metal	1C	Sn	100	7440-31-5	0.4	
Termination	Heavy Metal	1C	Cu	94	7440-50-8	6.1	
			Sn	6	7440-31-5		
	Heavy Metal	1C	Ni	100	7440-02-0		Х
	Heavy Metal	1C	Sn	100	7440-31-5	0.4	
				•	Sum in total:	100	•

Sizes	weight range	part numbers	Sizes	weight range	part numbers
[max. in mm]	[approx. in g]		[max. in mm]	[approx. in g]	
9.0x7.6x7.4	1.0	B78416A2232A003:			

Not Part of a Product Class

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.
- 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 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.

^{**)} typical mass percentage of substance



☐ Other Exemption than above