

Transformer

Material Data Sheet

roduct Class	EFD20 SMD B82806DxxxxAxxx	D0060A240
Date	10.01.2018	
IMDS ID if available		
Version	02	\$\\$\\$\\$\\$\\$\\$

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	54.0	
	Heavy Metal	1C	Cu	100	7440-50-8	18.0	
	Elastomer	2B	Polyurethane (PUR)	100	9009-54-5	0.9	
Encapsulation	n Duromer	2C	Phenolic	35~50	9003-35-4	9.8	
			Glass fiber	50~65	65997-17-3		
		1A	Iron(Fe)	70.83	7439-89-6	14.1	
			Carbon(C)	0.1	7440-44-0		
			Silicon(Sn)	1	7440-21-3		
			Manganese(Mn)	2	7439-96-5		
	Iron and Steel		Sulfur(S)	0.03	7704-34-9		
			Phosphorus(P)	0.04	7723-14-0		
			Chrome(Cr)	18	7440-47-3		
			Nickel(Ni)	8	7440-02-0		
	Woven material	3A	Polyester	100	24968-12-5	1.0	
	Duromer	2C	Acrylic polymer	100	9017-68-9	0.2	
	Duromer	2C	Ероху	100	25928-94-3	0.1	
	Heavy Metal	1C	Sn	100	7440-31-5	0.8	
Termination	n Haarri Matal	1C	Cu	94	7440-50-8	1.0	
	Heavy Metal		Sn	6	7440-31-5		
	Heavy Metal	1C	Ni	100	7440-02-0		х
	Heavy Metal	1C	Sn	100	7440-31-5	0.1	
		•			Sum in total:	100	

				ouiii iii totai.	100
Size W x L x H	Weight	Part Numbers	Size W x L x H	Weight	Part Numbers
[max. in mm]	[approx. in g]		[max. in mm]	[approx. in g]	
30.0x22.0x11.4	14.0	B82806D0060A120;P300870	30.0x22.0x11.4	14.0	B82806D0060A240;P300871
30.0x22.0x11.4	14.0	B82806D0060A033;P300868	30.0x22.0x11.4	14.0	B82806D0060A050;P300869

Not part of a Product Class

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^{*)} 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



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