


Transformer

Material Data Sheet

Product Class:	EP7 SMD B82803A****A***	
Date	25.10.2011	
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	65	
	Heavy Metal	1C	Cu	100	7440-50-8	15.2	
	Elastomer	2B	Polyurethane (PUR)	100	68400-67-9	0.8	
Encapsulation	Duromer	2C	Phenolic resin	35-50	9003-35-4	10	
			Glass fiber	50-65	65997-17-3		
	Duromer	2C	Epoxy resin	100	25928-94-3	0.2	
	Woven Material	3A	Polyester	100	25667-42-9	4.3	
	Heavy Metal	1C	Sn	100	7440-31-5		x
Termination	Heavy Metal	1C	Cu	94	7440-50-8	4	
		1C	Sn	6	7440-31-5		
	Heavy Metal	1C	Ni	100	7440-02-0		x
	Heavy Metal	1C	Sn	100	7440-31-5	0.5	
Sum in total:						100	

Size W x L x H [max. in mm]	Weight [approx. in g]	Part Numbers	REMARK:	Size W x L x H [max. in mm]	Weight [approx. in g]	Part Numbers
9.22x8.65x9.45	2	B82803A0105A007;T5023		9.22x8.65x9.45	2	B82803A0335A007;T5027
9.22x8.65x9.45	2	B82803A0155A007;T5024		9.22x8.65x9.45	2	B82803A0475A007;T5028
9.22x8.65x9.45	2	B82803A0225A007;T5025		9.22x8.65x9.45	2	B82803A0685A007;T5029
9.22x8.65x9.45	2	B82803A0275A007;T5026		9.22x8.65x9.45	2	B82803A0106A007;T5030

Not part of a Product Class	
Contact	Dr. Johann Reindl, MAG EPQM
Division	EPCOS AG, Magnetics Business Group (MAG)
Address	Anzinger Str. 13, 81671 Munich
	Tel: +49 89 636 29181 mailto: johann.reindl@epcos.com
*) others: (not declarable or prohibited substances acc. GADSL)	
**) typical mass percentage of substance	
Important remarks:	
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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)-I: 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