

Transformer

Material Data Sheet

Product Class	EP7 SMD B78417A2x8xA003
Date	01.12.2015
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	70.0	
	Heavy Metal	1C	Cu	100	7440-50-8	5.1	
	Elastomer	2B	Polyurethane (PUR)	100	9009-54-5	0.2	
Encapsulation	Thermoplastic	2A	Liquid crystal polymer (LCP)	60	90967-43-4	21.4	
			Glass fiber	40	65997-17-3		
	Duromer	2C	Epoxy resin(EP)	100	25928-94-3	0.6	
	Heavy Metal	1C	Sn	100	7440-31-5	0.3	
Termination	Heavy Metal	1C	Cu	100	7440-50-8	2.3	
	Heavy Metal	1C	Ni	100	7440-02-0		х
	Heavy Metal	1C	Sn	100	7440-31-5	0.1	
	•	•			Sum in total:	100	•

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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]	
10.7x9.7x11.0	2.5	B78417A2287A003	10.6x9.7x11.0	2.4	B78417A2285A003
10.6x9.7x11.0	2.4	B78417A2286A003	10.5x12.0x10.9	2.2	B78417A2185A003

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.
- otherwise regulated.

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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.

☑ 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)-l: 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

^{**)} typical mass percentage of substance