

# **Transformer**

# **Material Data Sheet**

Product Class:	SMD Transformer
	B78476*****A003
Date	11.04.2018
IMDS ID if available	
Version:	17





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	27.9	
	Duromer	2C	Parylene	100	25722-33-2	0.9	
	Heavy Metal	1C	Cu	100	7440-50-8	14.4	
	Elastomer	2B	Polyurethane (PUR)	100	68400-67-9	0.8	
Encapsulation			Diallyle phthalate (DAP)	30	25053-15-0		
and Mounting	Thermoplastic	2A	Aluminium hydroxide	40	21645-51-2	33.8	
			Glass Fiber	30	65997-17-3		
	Elastomer	2B	Polydimethylsiloxane (MQ)	100	63148-62-9	15.2	
	Heavy Metal	1C	Sn	100	7440-31-5	0.2	
Termination	Heavy Metal	1C	Cu	94	7440-50-8	6.7	
		1C	Sn	6	7440-31-5		
	Heavy Metal	1C	Sn	100	7440-31-5	0.1	
					Sum in total:	100.0	

				Guill III total.	100.0
Weight	Part Numbers	Weight	Part Numbers	Weight	Part Numbers
[approx. in g]		[approx. in g]		[approx. in g]	
1.80	B78476A1889A003	2.94	B78476A8250A003	1.37	B78476A9594A003
1.50	B78476A7694A003	2.10	B78476A8251A003	2.10	B78476A9608A003
1.80	B78476A7903A003	2.90	B78476A8252A003	0.88	B78476A9612A003
0.80	B78476A8065A003	1.80	B78476A8253A003	2.80	B78476A9629A003
3.70	B78476A8066A003	2.23	B78476A8317A003	2.31	B78476A9642A003
1.25	B78476A8067A003	2.00	B78476A8382A003	2.43	B78476A9644A003
2.74	B78476A8068A003	0.80	B78476A8443A003	2.25	B78476A9645A003
3.37	B78476A8101A003	1.91	B78476A8575A003	2.15	B78476A9659A003
1.80	B78476A8135A003	3.40	B78476A8584A003	2.83	B78476A9683A003
0.86	B78476A8245A003	2.00	B78476A8643A003	0.80	B78476A9684A003
3.20	B78476A8246A003	1.71	B78476A8856A003	2.70	B78476A9700A003
0.86	B78476A8247A003	0.26	B78476A9489A003	0.55	B78476A9712A003
0.86	B78476A8248A003	2.13	B78476A9558A003	1.80	B78476B8135A003
1.71	B78476A8249A003	0.25	B78476A9588A003	0.80	B78476A8572A003
0.86	B78476A9730A003			0.16	B78476A9718A003

### Not part of a Product Class

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<sup>\*)</sup> 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
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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.

<sup>\*\*)</sup> typical mass percentage of substance



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□ 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 .....