

Material Data Sheet

Inductor

Product Class	ERU20 SMD B82559AxxxxA020	8 882650 24322402 4.35041 4.35041
Date	22.06.2018	G 4.350H
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	1264549-7	66.9			
	Heavy Metal	1C Cu			100	7440-50-8	26.6			
	Elastomer	2B	Polyurethane (PL	JR)	100	9009-54-5	1.4			
Encapsulation	Duromer	2C	Epoxy		100	25928-94-3	0.1			
	Duromer	2C	Polyimide		100	26298-81-7	0.3			
	Duromer	2C	Acrylic polymer		100	9017-68-9	0.1			
Termination	Heavy Metal	1C	Cu		100	7440-50-8	4.1			
	Heavy metal	1C	Ni		100	7440-02-0		x		
	Heavy metal	1C	Sn		100	7440-31-5	0.2			
	Heavy Metal	1C	Sn		96.0	7440-31-5				
			Ag		3.5	7440-22-4	0.3			
			Cu		0.5	7440-50-8				
	1	1				Sum in total:	100			
Size W x L x H	Weight	Part Numbe	rs	Size V	VxLxH	Weight	Part Numb	oers		
[max. in mm]	[approx. in g]			[max	. in mm]	[approx. in g]				
22.5x22.0x9.8	15.7	B82559A2102A	020	22.5x2	2.0x13.2	22.5	B82559A5332A020 B82559A0203A020			
22.5x22.0x10.8	17.6	B82559A3152A	020	22.5x2	2.0x14.2	22.0				
22.5x22.0x14.2	23.9	B82559A0293A	020	22.5x2	2.0x14.2	22.0	B82559A0353A020			
22.5x22.0x12.2	19.8	B82559A4222A020		22.5x2	2.5x22.0x9.8 21.0		B82559A4472A020			
22.5x22.0x9.8	16.3	B82559A5682A		22.5x2	2.0x12.2	19.7	B82559A9153	3A020		
22.5x22.0x10.8	18.1	B82559A7103A	.020							
Not part of a Pr					-					
	Dr. Johann Reindl, M		(111.0)	Important remarks: 1) 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						
		Magnetics Business	· · · /							
	Rosenneimer Strass	e 116b, 81669 Munich mailto:		otherwise regulated.						
	Tel: +49 89 54020 3030		@tdk-electronics.tdk.com	 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 						
*) others: .(not d	others: .(not declarable or prohibited substances acc. GADSL)				best present knowledge and cannot be regarded as binding statements or binding product specifications, unless otherwise explicitly agreed in writing. TDK ELECTRONICS AG AND					
**) typical mass	percentage of subst	ance		ITS AFFILIATES WARRANTY, W THE STATEME	S HEREBY E /HETHER EX NTS AND VA IY REPRESE	XPRESSLÝ DÍSCLA PRESS, IMPLIED O LUES CONTAINED NTATION OR WARF	MANY REPRESENTATION R STATUTORY, WITH RE HEREIN, INCLUDING BU RANTY OF MERCHANTAE	ON OR GARD TO T NOT		
				ans that products are cor	npatible with	the requirements acc	ording to Art. 4 (substance ces in electrical and electro			
RoHS - Exempt	tions for the Produc	ct Class / Product ad	cording to Annex	III: (🗹 valid 🗆 not valid)					
☑ no exemptions;										
Exemption 6 (a):		•		steel containing up to 0,35 %	lead by weight;					
Exemption 6 (b):		ent in aluminium containing	up to 0,4 % lead by weigh	t;						
Exemption 6 (c):	Copper alloy containing u	ip to 4 % lead by weight;								
Exemption 7 (a):	Lond in high modifier to the	anakura kura aaldar (' - J	بحياجا مقمم مبتمالم امممط ال	85 % by weight or more lead)						

Exemption 7 (c)-1: 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)-11: 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

Umbrella Specification Rev 5.02.1a, based on ZVEI Layout, TDK Electronics AG, Dept. TQ, 03/2019



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