



Material Content Data Sheet



Sales Product Name				SAK-TC213L-8F133N AC		Issued		24. January 2018	
MA#				MA001781470					
Package				PG-TQFP-100-23		Weight*		697.29 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	17.136	2.46	2.46	24575	24575	
leadframe	inorganic material	phosphorus	7723-14-0	0.056	0.01		80		
	non noble metal	zinc	7440-66-6	0.223	0.03		320		
	non noble metal	iron	7439-89-6	4.458	0.64		6394		
wire	non noble metal	copper	7440-50-8	181.029	25.96	26.64	259619	266413	
	noble metal	gold	7440-57-5	0.001	0.00		2		
	noble metal	palladium	7440-05-3	0.032	0.00		46		
encapsulation	non noble metal	copper	7440-50-8	1.423	0.20	0.20	2041	2089	
	organic material	carbon black	1333-86-4	1.425	0.20		2044		
	plastics	epoxy resin	-	60.326	8.65		86515		
leadfinish	inorganic material	silicondioxide	60676-86-0	413.257	59.29	68.14	592664	681223	
	noble metal	palladium	7440-05-3	0.003	0.00		4		
	noble metal	silver	7440-22-4	0.003	0.00		4		
plating	noble metal	gold	7440-57-5	0.005	0.00		7		
	non noble metal	nickel	7440-02-0	4.642	0.67	0.67	6658	6673	
	noble metal	silver	7440-22-4	0.005	0.00		7		
glue	noble metal	palladium	7440-05-3	0.005	0.00		8		
	noble metal	gold	7440-57-5	0.009	0.00		12		
	non noble metal	nickel	7440-02-0	8.662	1.24	1.24	12423	12450	
*deviation	plastics	epoxy resin	-	1.009	0.14		1447		
	noble metal	silver	7440-22-4	3.577	0.51	0.65	5130	6577	
						Sum in total:	100.00	1000000	

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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