



Material Content Data Sheet



Sales Product Name				SAK-TC234LP-32F200N AC		Issued		19. January 2018	
MA#				MA001654634					
Package				PG-TQFP-144-27		Weight*		699.45 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	23.351	3.34	3.34	33385	33385	
leadframe	inorganic material	phosphorus	7723-14-0	0.066	0.01		95		
	non noble metal	zinc	7440-66-6	0.265	0.04		379		
	non noble metal	iron	7439-89-6	5.302	0.76		7580		
wire	non noble metal	copper	7440-50-8	215.278	30.78	31.59	307782	315836	
	noble metal	gold	7440-57-5	0.002	0.00		3		
	noble metal	palladium	7440-05-3	0.042	0.01		59		
encapsulation	non noble metal	copper	7440-50-8	1.844	0.26	0.27	2636	2698	
	organic material	carbon black	1333-86-4	1.328	0.19		1899		
	plastics	epoxy resin	-	56.224	8.04		80383		
leadfinish	inorganic material	silicondioxide	60676-86-0	385.155	55.07	63.30	550651	632933	
	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	4.713	0.67	0.67	6739	6754	
	noble metal	palladium	7440-05-3	0.000	0.00		1		
glue	non noble metal	nickel	7440-02-0	0.366	0.05	0.05	523	526	
	noble metal	silver	7440-22-4	0.000	0.00		1		
	noble metal	gold	7440-57-5	0.000	0.00		1		
*deviation	plastics	epoxy resin	-	1.211	0.17		1731		
	noble metal	silver	7440-22-4	4.292	0.61	0.78	6137	7868	
						Sum in total:	100.00	1000000	

Important Remarks:

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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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