



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC224L-16F133N AC		<b>Issued</b>		25. January 2018	
<b>MA#</b>				MA001677160					
<b>Package</b>				PG-TQFP-144-27		<b>Weight*</b>		698.12 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	2.45	2.45	24546	24546	
leadframe	inorganic material	phosphorus	7723-14-0	0.066	0.01		95		
	non noble metal	zinc	7440-66-6	0.265	0.04		380		
	non noble metal	iron	7439-89-6	5.302	0.76		7594		
wire	non noble metal	copper	7440-50-8	215.278	30.84	31.65	308367	316436	
	noble metal	gold	7440-57-5	0.002	0.00		3		
	noble metal	palladium	7440-05-3	0.042	0.01		60		
encapsulation	non noble metal	copper	7440-50-8	1.850	0.26	0.27	2650	2713	
	organic material	carbon black	1333-86-4	1.346	0.19		1927		
	plastics	epoxy resin	-	56.960	8.16		81591		
leadfinish	inorganic material	silicondioxide	60676-86-0	390.200	55.90	64.25	558925	642443	
	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	0.68	0.68	6752	6767	
	noble metal	palladium	7440-05-3	0.000	0.00		1		
glue	noble metal	silver	7440-22-4	0.000	0.00		1		
	noble metal	gold	7440-57-5	0.000	0.00		1		
	non noble metal	nickel	7440-02-0	0.366	0.05	0.05	524	527	
*deviation	plastics	epoxy resin	-	1.009	0.14		1445		
	noble metal	silver	7440-22-4	3.577	0.51	0.65	5123	6568	
						Sum in total:	100.00	1000000	

### Important Remarks:

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