



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC223L-12F133F AC		<b>Issued</b>		4. July 2019	
<b>MA#</b>				MA001781480					
<b>Package</b>				PG-TQFP-100-23		<b>Weight*</b>		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		
wires	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:

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