



Material Content Data Sheet



Sales Product Name	SAK-TC212L-8F133F AB			Issued		17. March 2016		
MA#	MA001487554							
Package	PG-TQFP-80-7			Weight*		281.13 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	6.10	6.10	60954	60954
leadframe	inorganic material	phosphorus	7723-14-0	0.028	0.01		98	
	non noble metal	zinc	7440-66-6	0.111	0.04		394	
	non noble metal	iron	7439-89-6	2.215	0.79		7879	
	non noble metal	copper	7440-50-8	89.946	31.99	32.83	319940	328311
wire	noble metal	gold	7440-57-5	0.001	0.00		4	
	noble metal	palladium	7440-05-3	0.028	0.01		98	
	non noble metal	copper	7440-50-8	1.225	0.44	0.45	4358	4460
encapsulation	organic material	carbon black	1333-86-4	0.477	0.17		1697	
	plastics	epoxy resin	-	20.199	7.18		71848	
	inorganic material	silicondioxide	60676-86-0	138.370	49.23	56.58	492184	565729
leadfinish	noble metal	palladium	7440-05-3	0.001	0.00		3	
	noble metal	silver	7440-22-4	0.001	0.00		3	
	noble metal	gold	7440-57-5	0.001	0.00		5	
	non noble metal	nickel	7440-02-0	1.472	0.52	0.52	5235	5246
plating	noble metal	palladium	7440-05-3	0.003	0.00		12	
	noble metal	silver	7440-22-4	0.003	0.00		10	
	noble metal	gold	7440-57-5	0.005	0.00		19	
	non noble metal	nickel	7440-02-0	5.327	1.89	1.89	18948	18989
glue	plastics	epoxy resin	-	1.009	0.36		3588	
	noble metal	silver	7440-22-4	3.577	1.27	1.63	12723	16311
*deviation	< 10%	Sum in total:			100.00			1000000

Important Remarks:

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This product is in compliance with EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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