



Material Content Data Sheet



Sales Product Name				SAL-TC224L-16F133N AC		Issued		19. January 2018	
MA#				MA001781504					
Package				PG-TQFP-144-27		Weight*		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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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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