



Material Content Data Sheet



Sales Product Name	SAK-TC224L-16F133F AB			Issued		16. March 2016		
MA#	MA001485598							
Package	PG-TQFP-144-27			Weight*		698.31 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	24539	24539
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		7592	
	non noble metal	copper	7440-50-8	215.278	30.83	31.64	308284	316351
wire	noble metal	gold	7440-57-5	0.002	0.00		3	
	noble metal	palladium	7440-05-3	0.047	0.01		67	
	non noble metal	copper	7440-50-8	2.087	0.30	0.31	2989	3059
encapsulation	organic material	carbon black	1333-86-4	1.345	0.19		1927	
	plastics	epoxy resin	-	56.953	8.16		81559	
	inorganic material	silicondioxide	60676-86-0	390.153	55.87	64.22	558706	642194
leadfinish	noble metal	palladium	7440-05-3	0.003	0.00		4	
	noble metal	silver	7440-22-4	0.003	0.00		4	
	noble metal	gold	7440-57-5	0.005	0.00		7	
	non noble metal	nickel	7440-02-0	4.713	0.68	0.68	6750	6765
plating	noble metal	palladium	7440-05-3	0.000	0.00		1	
	non noble metal	nickel	7440-02-0	0.366	0.05		524	
	noble metal	silver	7440-22-4	0.000	0.00		1	
	noble metal	gold	7440-57-5	0.000	0.00	0.05	1	525
glue	plastics	epoxy resin	-	1.009	0.14		1445	
	noble metal	silver	7440-22-4	3.577	0.51	0.65	5122	6567
*deviation	< 10%	Sum in total:			100.00			1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com