



## Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-TC223S-16F133F AC	Issued	25. June 2021
MA#	MA005565577		
Package	PG-TQFP-100-23	Weight*	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	
	non noble metal	copper	7440-50-8	181.029	25.96	26.64	259619	266413
wires	noble metal	gold	7440-57-5	0.001			2	
	noble metal	palladium	7440-05-3	0.032			46	
	non noble metal	copper	7440-50-8	1.423	0.20	0.20	2041	2089
encapsulation	organic material	carbon black	1333-86-4	1.425	0.20		2044	
	plastics	epoxy resin	-	60.326	8.65		86515	
	inorganic material	silicondioxide	60676-86-0	413.257	59.29	68.14	592664	681223
leadfinish	noble metal	palladium	7440-05-3	0.003			4	
	noble metal	silver	7440-22-4	0.003			4	
	noble metal	gold	7440-57-5	0.005			7	
	non noble metal	nickel	7440-02-0	4.642	0.67	0.67	6658	6673
plating	noble metal	silver	7440-22-4	0.005			7	
	noble metal	palladium	7440-05-3	0.005			8	
	noble metal	gold	7440-57-5	0.009			12	
	non noble metal	nickel	7440-02-0	8.662	1.24	1.24	12423	12450
glue	plastics	epoxy resin	-	1.009	0.14		1447	
	noble metal	silver	7440-22-4	3.577	0.51	0.65	5130	6577
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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