



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-TC233L-32F200N AC	Issued	14. February 2022
MA#	MA005624693		
Package	PG-TQFP-100-23	Weight*	698.65 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	23.351	3.34	3.34	33423	33423
leadframe	inorganic material	phosphorus	7723-14-0	0.056	0.01		80	
	non noble metal	zinc	7440-66-6	0.223	0.03		319	
	non noble metal	iron	7439-89-6	4.458	0.64		6381	
	non noble metal	copper	7440-50-8	181.029	25.91	26.59	259114	265894
wires	noble metal	palladium	7440-05-3	0.015			21	
	non noble metal	copper	7440-50-8	1.478	0.21	0.21	2116	2137
encapsulation	organic material	carbon black	1333-86-4	1.408	0.20		2015	
	plastics	epoxy resin	-	59.588	8.53		85291	
	inorganic material	silicondioxide	60676-86-0	408.203	58.45	67.18	584277	671583
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	0.66	0.66	6645	6660
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	12399	12426
glue	plastics	epoxy resin	-	1.211	0.17		1733	
	noble metal	silver	7440-22-4	4.292	0.61	0.78	6144	7877
*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