

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC213L-8F133N AC	**Issued**	27. April 2022
MA#	MA005730674		
Package	PG-TQFP-100-23	**Weight***	697.28 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	24576	24576
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	259622	266416
wires	noble metal	palladium	7440-05-3	0.015			21	
	non noble metal	copper	7440-50-8	1.436	0.21	0.21	2059	2080
encapsulation	organic material	carbon black	1333-86-4	1.425	0.20		2044	
	plastics	epoxy resin	-	60.326	8.65		86516	
	inorganic material	silicondioxide	60676-86-0	413.257	59.28	68.13	592668	681228
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:

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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