

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC333LP-32F200F AA	**Issued**	27. April 2022
MA#	MA005723754		
Package	PG-TQFP-100-23	**Weight***	698.73 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	21.562	3.09	3.09	30858	30858
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	259085	265865
wires	noble metal	gold	7440-57-5	0.002			3	
	noble metal	palladium	7440-05-3	0.046	0.01		66	
	non noble metal	copper	7440-50-8	2.046	0.29	0.30	2928	2997
encapsulation	organic material	carbon black	1333-86-4	1.412	0.20		2021	
	plastics	epoxy resin	-	59.784	8.56		85561	
	inorganic material	silicondioxide	60676-86-0	409.544	58.62	67.38	586129	673711
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	6644	6659
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	12397	12424
glue	plastics	epoxy resin	-	1.151	0.16		1647	
	noble metal	silver	7440-22-4	4.080	0.58	0.74	5839	7486
*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.

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