

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC336LP-32F300S AA	**Issued**	27. April 2022
MA#	MA005723207		
Package	PG-LFBGA-180-1	**Weight***	449.21 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	9.583	2.13	2.13	21333	21333
wire	noble metal	palladium	7440-05-3	0.009			21	
	non noble metal	copper	7440-50-8	0.934	0.21	0.21	2080	2101
encapsulation	organic material	carbon black	1333-86-4	0.355	0.08		791	
	plastics	epoxy resin	-	24.514	5.46		54573	
	inorganic material	silicondioxide	60676-86-0	152.771	34.00	39.54	340090	395454
substrate	plastics	epoxy resin	-	2.960	0.66		6589	
	inorganic material	bariumsulfate	7727-43-7	4.542	1.01		10111	
	plastics	acrylic resin	-	5.256	1.17	2.84	11701	28401
plating	noble metal	gold	7440-57-5	0.682	0.15		1518	
	non noble metal	nickel	7440-02-0	1.866	0.42	0.57	4154	5672
solderball	noble metal	silver	7440-22-4	2.719	0.61		6053	
	non noble metal	tin	7440-31-5	74.971	16.69	17.30	166897	172950
glue	plastics	epoxy resin	-	0.477	0.11		1063	
	noble metal	silver	7440-22-4	1.432	0.32	0.43	3188	4251
substrate metal	non noble metal	copper	7440-50-8	24.005	5.34	5.34	53439	53439
substrate plastic	non noble metal	metal hydroxide	-	7.106	1.58		15820	
	inorganic material	amorphous silica	7631-86-9	14.213	3.16		31640	
	plastics	epoxy resin	-	21.319	4.75		47460	
	inorganic material	glass fibre wool	65997-17-3	28.426	6.33		63280	
	non noble metal	copper	7440-50-8	71.064	15.82	31.64	158199	316399
*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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