

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC337LP-32F300S AA	**Issued**	11. May 2022
MA#	MA005723740		
Package	PG-LFBGA-292-11	**Weight***	857.59 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	1.12	1.12	11174	11174
wire	noble metal	palladium	7440-05-3	0.017			20	
	non noble metal	copper	7440-50-8	1.711	0.20	0.20	1995	2015
encapsulation	organic material	carbon black	1333-86-4	0.732	0.09		853	
	plastics	epoxy resin	-	50.503	5.89		58890	
	inorganic material	silicondioxide	60676-86-0	314.731	36.68	42.66	366995	426738
substrate	plastics	epoxy resin	-	7.040	0.82		8209	
	inorganic material	bariumsulfate	7727-43-7	10.803	1.26		12597	
	plastics	acrylic resin	-	12.502	1.46	3.54	14578	35384
plating	noble metal	gold	7440-57-5	1.136	0.13		1325	
	non noble metal	nickel	7440-02-0	3.110	0.36	0.49	3627	4952
solderball	noble metal	silver	7440-22-4	3.921	0.46		4572	
	non noble metal	tin	7440-31-5	108.111	12.61	13.07	126064	130636
glue	plastics	epoxy resin	-	0.477	0.06		557	
	noble metal	silver	7440-22-4	1.432	0.17	0.23	1670	2227
substrate metal	non noble metal	copper	7440-50-8	46.536	5.43	5.43	54264	54264
substrate plastic	non noble metal	metal hydroxide	-	14.262	1.66		16630	
	inorganic material	amorphous silica	7631-86-9	28.524	3.33		33261	
	plastics	epoxy resin	-	42.786	4.99		49892	
	inorganic material	glass fibre wool	65997-17-3	57.049	6.65		66522	
	non noble metal	copper	7440-50-8	142.622	16.63	33.26	166305	332610
*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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