

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC356TA-64F300S AB	**Issued**	23. June 2021
MA#	MA005448803		
Package	PG-LFBGA-180-1	**Weight***	451.46 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	20.775	4.60	4.60	46017	46017
wire	noble metal	palladium	7440-05-3	0.009			21	
	non noble metal	copper	7440-50-8	0.934	0.21	0.21	2070	2091
encapsulation	organic material	carbon black	1333-86-4	0.334	0.07		740	
	plastics	epoxy resin	-	23.057	5.11		51072	
	inorganic material	silicondioxide	60676-86-0	143.689	31.82	37.00	318278	370090
substrate	inorganic material	bariumsulfate	7727-43-7	4.542	1.01		10060	
	plastics	acrylic resin	-	5.256	1.16		11643	
	non noble metal	metal hydroxide	-	7.106	1.57		15741	
	inorganic material	amorphous silica	7631-86-9	14.213	3.15		31482	
	plastics	epoxy resin	-	24.279	5.38		53779	
	inorganic material	glass fibre wool	65997-17-3	28.426	6.30		62964	
	non noble metal	copper	7440-50-8	95.069	21.06	39.63	210582	396251
plating	noble metal	gold	7440-57-5	0.682	0.15		1510	
	non noble metal	nickel	7440-02-0	1.866	0.41	0.56	4133	5643
solderball	noble metal	silver	7440-22-4	2.719	0.60		6023	
	non noble metal	tin	7440-31-5	74.971	16.61	17.21	166064	172087
glue	plastics	epoxy resin	-	0.883	0.20		1955	
	noble metal	silver	7440-22-4	2.648	0.59	0.79	5866	7821
*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