Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC332LP-32F200F AA	**Issued**	27. April 2022
MA#	MA005723761		
Package	PG-TQFP-80-7	**Weight***	282.42 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	7.63	7.63	76344	76344
leadframe	inorganic material	phosphorus	7723-14-0	0.028	0.01		98	
	non noble metal	zinc	7440-66-6	0.111	0.04		392	
	non noble metal	iron	7439-89-6	2.215	0.78		7843	
	non noble metal	copper	7440-50-8	89.946	31.85	32.68	318477	326810
wires	noble metal	gold	7440-57-5	0.002			6	
	noble metal	palladium	7440-05-3	0.037	0.01		132	
	non noble metal	copper	7440-50-8	1.660	0.59	0.60	5878	6016
encapsulation	organic material	carbon black	1333-86-4	0.464	0.16		1645	
	plastics	epoxy resin	-	19.662	6.96		69619	
	inorganic material	silicondioxide	60676-86-0	134.693	47.71	54.83	476919	548183
leadfinish	noble metal	palladium	7440-05-3	0.001			3	
	noble metal	silver	7440-22-4	0.001			3	
	noble metal	gold	7440-57-5	0.001			5	
	non noble metal	nickel	7440-02-0	1.472	0.52	0.52	5211	5222
plating	noble metal	silver	7440-22-4	0.003			10	
	noble metal	palladium	7440-05-3	0.003			12	
	noble metal	gold	7440-57-5	0.005			19	
	non noble metal	nickel	7440-02-0	5.327	1.89	1.89	18862	18903
glue	plastics	epoxy resin	-	1.151	0.41		4075	
	noble metal	silver	7440-22-4	4.080	1.44	1.85	14447	18522
*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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