

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKZA50N65RH5	**Issued**	2. February 2021
MA#	MA004080628		
Package	PG-TO247-4-3	**Weight***	6292.06 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	2.932	0.05	0.05	466	466
chip_2	inorganic material	siliconcarbide	409-21-2	1.123	0.02	0.02	178	178
leadframe	inorganic material	phosphorus	7723-14-0	1.279	0.02		203	
	non noble metal	iron	7439-89-6	4.263	0.07		678	
	non noble metal	copper	7440-50-8	4257.756	67.67	67.76	676687	677568
wire	non noble metal	aluminium	7429-90-5	13.156	0.21	0.21	2091	2091
encapsulation	organic material	carbon black	1333-86-4	19.725	0.31		3135	
	plastics	epoxy resin	-	374.771	5.96		59562	
	inorganic material	silicondioxide	60676-86-0	1577.982	25.08	31.35	250789	313486
leadfinish	non noble metal	tin	7440-31-5	34.164	0.54	0.54	5430	5430
plating	non noble metal	nickel	7440-02-0	1.950	0.03	0.03	310	310
solder	non noble metal	antimony	7440-36-0	0.296	0.00		47	
	noble metal	silver	7440-22-4	0.740	0.01		118	
	non noble metal	tin	7440-31-5	1.924	0.03	0.04	306	471
*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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