



Material Content Data Sheet



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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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