

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKZA40N65RH5	**Issued**	18. August 2021
MA#	MA004080630		
Package	PG-TO247-4-3	**Weight***	6289.92 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	2.443	0.04	0.04	388	388
chip_2	inorganic material	siliconcarbide	409-21-2	0.927	0.01	0.01	147	147
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	4,257.756	67.70	67.79	676918	677799
wire	non noble metal	aluminium	7429-90-5	7.468	0.12	0.12	1187	1187
encapsulation	organic material	carbon black	1333-86-4	19.772	0.31		3143	
	plastics	epoxy resin	-	375.659	5.97		59724	
	inorganic material	silicondioxide	60676-86-0	1,581.722	25.15	31.43	251470	314337
leadfinish	non noble metal	tin	7440-31-5	34.164	0.54	0.54	5432	5432
plating	non noble metal	nickel	7440-02-0	1.950	0.03	0.03	310	310
solder	non noble metal	antimony	7440-36-0	0.251			40	
	noble metal	silver	7440-22-4	0.629	0.01		100	
	non noble metal	tin	7440-31-5	1.634	0.03	0.04	260	400
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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