

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKA08N65H5	**Issued**	18. August 2021
MA#	MA005403140		
Package	PG-TO220-3-313	**Weight***	2209.15 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	0.366	0.02	0.02	166	166
chip_2	inorganic material	silicon	7440-21-3	0.651	0.03	0.03	295	295
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.84	40.89	408368	408900
wire	non noble metal	aluminium	7429-90-5	3.822	0.17	0.17	1730	1730
encapsulation	organic material	carbon black	1333-86-4	2.295	0.10		1039	
	plastics	epoxy resin	-	215.381	9.75		97495	
	inorganic material	silicondioxide	60676-86-0	927.736	41.99	51.84	419950	518484
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3566	3566
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.098			44	
	noble metal	silver	7440-22-4	0.245	0.01		111	
	non noble metal	tin	7440-31-5	0.637	0.03	0.04	289	444
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65579	65665
*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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