

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKA15N65H5	**Issued**	31. March 2021
MA#	MA001403614		
Package	PG-TO220-3-313	**Weight***	2209.57 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	1.009	0.05	0.05	457	457
chip_2	inorganic material	silicon	7440-21-3	0.366	0.02	0.02	166	166
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	40.83	40.88	408290	408822
wire	non noble metal	aluminium	7429-90-5	6.114	0.28	0.28	2767	2767
encapsulation	organic material	carbon black	1333-86-4	2.291	0.10		1037	
	plastics	epoxy resin	-	214.921	9.73		97268	
	inorganic material	silicondioxide	60676-86-0	925.677	41.88	51.71	418940	517245
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3565	3565
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	749	749
solder	non noble metal	antimony	7440-36-0	0.127	0.01		58	
	noble metal	silver	7440-22-4	0.318	0.01		144	
	non noble metal	tin	7440-31-5	0.828	0.04	0.06	375	577
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	65566	65652
*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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