



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKA15N60T	Issued	14. February 2022
MA#	MA005621239		
Package	PG-TO220-3-313	Weight*	2209.26 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	0.871	0.04	0.04	394	394
chip_2	inorganic material	silicon	7440-21-3	1.597	0.07	0.07	723	723
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	408349	408881
wire	non noble metal	aluminium	7429-90-5	4.127	0.19	0.19	1868	1868
encapsulation	organic material	carbon black	1333-86-4	2.296	0.10		1039	
	plastics	epoxy resin	-	214.957	9.73		97298	
	inorganic material	silicondioxide	60676-86-0	925.540	41.90	51.73	418937	517274
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	0.195	0.01		88	
	noble metal	silver	7440-22-4	0.488	0.02		221	
	non noble metal	tin	7440-31-5	1.270	0.06	0.09	575	884
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	65576	65662
*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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