



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW30N65ES5	Issued	14. February 2022
MA#	MA005626483		
Package	PG-TO247-3-41	Weight*	6050.96 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	1.761	0.03	0.03	291	291
chip_2	inorganic material	silicon	7440-21-3	1.761	0.03	0.03	291	291
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87435	87549
wire	non noble metal	aluminium	7429-90-5	15.564	0.26	0.26	2572	2572
encapsulation	organic material	carbon black	1333-86-4	19.958	0.33		3298	
	plastics	epoxy resin	-	379.193	6.27		62667	
	inorganic material	silicondioxide	60676-86-0	1,596.602	26.39	32.99	263859	329824
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.294			49	
	noble metal	silver	7440-22-4	0.736	0.01		122	
	non noble metal	tin	7440-31-5	1.914	0.03	0.04	316	487
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.81	56.89	568175	568915
*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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