



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW30N65WR5	Issued	17. February 2022
MA#	MA005619512		
Package	PG-TO247-3-44	Weight*	6047.97 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	1.638	0.03	0.03	271	271
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	8.75	8.76	87479	87593
wire	non noble metal	aluminium	7429-90-5	10.262	0.17	0.17	1697	1697
encapsulation	organic material	carbon black	1333-86-4	20.014	0.33		3309	
	plastics	epoxy resin	-	380.274	6.29		62876	
	inorganic material	silicondioxide	60676-86-0	1,601.154	26.47	33.09	264742	330927
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806
solder	non noble metal	antimony	7440-36-0	0.145			24	
	noble metal	silver	7440-22-4	0.362	0.01		60	
	non noble metal	tin	7440-31-5	0.940	0.02	0.03	155	239
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	56.83	56.91	568457	569197
*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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