



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW50N65H5	Issued	09. February 2022
MA#	MA005618446		
Package	PG-TO247-3-44	Weight*	6050.51 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	2.667	0.04	0.04	441	441
chip_2	inorganic material	silicon	7440-21-3	0.903	0.01	0.01	149	149
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	87442	87556
wire	non noble metal	aluminium	7429-90-5	13.801	0.23	0.23	2281	2281
encapsulation	organic material	carbon black	1333-86-4	19.969	0.33		3300	
	plastics	epoxy resin	-	379.420	6.27		62709	
	inorganic material	silicondioxide	60676-86-0	1,597.558	26.40	33.00	264037	330046
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	4804	4804
solder	non noble metal	antimony	7440-36-0	0.302			50	
	noble metal	silver	7440-22-4	0.754	0.01		125	
	non noble metal	tin	7440-31-5	1.960	0.03	0.04	324	499
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	56.84	56.92	568216	568956
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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