



Material Content Data Sheet



Halogen-Free

Sales Product Name	AIKW50N65DF5	Issued	09. February 2022
MA#	MA005618920		
Package	PG-TO247-3-41	Weight*	6051.38 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	2.517	0.04	0.04	416	416
chip_2	inorganic material	silicon	7440-21-3	0.970	0.02	0.02	160	160
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	87429	87543
wire	non noble metal	aluminium	7429-90-5	16.881	0.28	0.28	2790	2790
encapsulation	organic material	carbon black	1333-86-4	19.948	0.33		3296	
	plastics	epoxy resin	-	379.017	6.26		62633	
	inorganic material	silicondioxide	60676-86-0	1,595.863	26.37	32.96	263719	329648
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
solder	non noble metal	antimony	7440-36-0	0.301			50	
	noble metal	silver	7440-22-4	0.753	0.01		124	
	non noble metal	tin	7440-31-5	1.957	0.03	0.04	323	497
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	56.82	56.90	568136	568876
*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.
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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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