



Material Content Data Sheet



Halogen-Free

Sales Product Name	AIKW50N65RF5	Issued	10. June 2021
MA#	MA005414056		
Package	PG-TO247-3-41	Weight*	6051.11 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	2.613	0.04	0.04	432	432
chip_2	inorganic material	siliconcarbide	409-21-2	1.477	0.02	0.02	244	244
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	87433	87547
wire	non noble metal	aluminium	7429-90-5	14.435	0.24	0.24	2385	2385
encapsulation	organic material	carbon black	1333-86-4	19.964	0.33		3299	
	plastics	epoxy resin	-	379.317	6.27		62685	
	inorganic material	silicondioxide	60676-86-0	1,597.124	26.39	32.99	263939	329923
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	0.301			50	
	noble metal	silver	7440-22-4	0.751	0.01		124	
	non noble metal	tin	7440-31-5	1.954	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	56.83	56.91	568161	568901
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com