

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	AIKW50N60CT	**Issued**	18. August 2021
MA#	MA001671804		
Package	PG-TO247-3-41	**Weight***	6054.90 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	2.713	0.04	0.04	448	448
chip_2	inorganic material	silicon	7440-21-3	5.465	0.09	0.09	903	903
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87378	87491
wire	non noble metal	aluminium	7429-90-5	19.046	0.31	0.31	3146	3146
encapsulation	organic material	carbon black	1333-86-4	19.887	0.33		3285	
	plastics	epoxy resin	-	377.862	6.24		62406	
	inorganic material	silicondioxide	60676-86-0	1,590.997	26.28	32.85	262761	328452
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.576	0.01		95	
	noble metal	silver	7440-22-4	1.439	0.02		238	
	non noble metal	tin	7440-31-5	3.742	0.06	0.09	618	951
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	56.78	56.86	567805	568545
*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