

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	AIKW75N60CT	**Issued**	03. April 2021
MA#	MA001671818		
Package	PG-TO247-3-41	**Weight***	6057.23 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	3.894	0.06	0.06	643	643
chip_2	inorganic material	silicon	7440-21-3	7.713	0.13	0.13	1273	1273
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	8.73	8.74	87345	87458
wire	non noble metal	aluminium	7429-90-5	19.294	0.32	0.32	3185	3185
encapsulation	organic material	carbon black	1333-86-4	19.852	0.33		3277	
	plastics	epoxy resin	-	377.189	6.23		62271	
	inorganic material	silicondioxide	60676-86-0	1,588.163	26.22	32.78	262194	327742
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5262	5262
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4798	4798
solder	non noble metal	antimony	7440-36-0	0.795	0.01		131	
	noble metal	silver	7440-22-4	1.988	0.03		328	
	non noble metal	tin	7440-31-5	5.169	0.09	0.13	853	1312
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3,438.006	56.75	56.83	567588	568327
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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