



Material Content Data Sheet



Halogen-Free

Sales Product Name	AIKW20N60CT	Issued	17. February 2022
MA#	MA005619794		
Package	PG-TO247-3-41	Weight*	6048.68 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	1.062	0.02	0.02	176	176
chip_2	inorganic material	silicon	7440-21-3	2.028	0.03	0.03	335	335
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	8.75	8.76	87468	87582
wire	non noble metal	aluminium	7429-90-5	9.368	0.15	0.15	1549	1549
encapsulation	organic material	carbon black	1333-86-4	20.006	0.33		3308	
	plastics	epoxy resin	-	380.123	6.28		62844	
	inorganic material	silicondioxide	60676-86-0	1,600.518	26.46	33.07	264606	330758
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.240			40	
	noble metal	silver	7440-22-4	0.599	0.01		99	
	non noble metal	tin	7440-31-5	1.558	0.03	0.04	258	397
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	568388	569128
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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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