

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	AIKQ100N60CT	**Issued**	03. April 2021
MA#	MA001413590		
Package	PG-TO247-3-46	**Weight***	6898.22 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	5.077	0.07	0.07	736	736
chip_2	inorganic material	silicon	7440-21-3	9.865	0.14	0.14	1430	1430
leadframe	inorganic material	phosphorus	7723-14-0	1.220	0.02		177	
	non noble metal	iron	7439-89-6	4.066	0.06		589	
	non noble metal	copper	7440-50-8	4,060.901	58.87	58.95	588689	589455
wire	non noble metal	aluminium	7429-90-5	37.961	0.55	0.55	5503	5503
encapsulation	organic material	carbon black	1333-86-4	20.446	0.30		2964	
	plastics	epoxy resin	-	388.473	5.63		56315	
	inorganic material	silicondioxide	60676-86-0	1,635.677	23.71	29.64	237116	296395
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4864	4864
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	297	297
solder	non noble metal	antimony	7440-36-0	1.009	0.01		146	
	noble metal	silver	7440-22-4	2.521	0.04		366	
	non noble metal	tin	7440-31-5	6.555	0.10	0.15	950	1462
heatspreader	inorganic material	phosphorus	7723-14-0	0.207			30	
	non noble metal	iron	7439-89-6	0.689	0.01		100	
	non noble metal	copper	7440-50-8	687.941	9.97	9.98	99728	99858
*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.

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