



Material Content Data Sheet



Sales Product Name				AIKQ120N60CT		Issued		1. August 2018	
MA#				MA001413988					
Package				PG-TO247-3-46		Weight*		6893.03 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	18.203	0.26	0.26	2641	2641	
leadframe	non noble metal	iron	7439-89-6	4.066	0.06		590		
	inorganic material	phosphorus	7723-14-0	1.220	0.02		177		
	non noble metal	copper	7440-50-8	4060.901	58.91	58.99	589131	589898	
wire	non noble metal	aluminium	7429-90-5	31.192	0.45	0.45	4525	4525	
encapsulation	organic material	carbon black	1333-86-4	20.408	0.30		2961		
	plastics	epoxy resin	-	387.758	5.63		56254		
	inorganic material	silicondioxide	60676-86-0	1632.666	23.69	29.62	236857	296072	
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4868	4868	
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	298	298	
solder	non noble metal	antimony	7440-36-0	1.217	0.02		177		
	noble metal	silver	7440-22-4	3.043	0.04		441		
	non noble metal	tin	7440-31-5	7.911	0.11	0.17	1148	1766	
heatspreader	non noble metal	iron	7439-89-6	0.689	0.01		100		
	inorganic material	phosphorus	7723-14-0	0.207	0.00		30		
	non noble metal	copper	7440-50-8	687.941	9.98	9.99	99802	99932	
*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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