



Material Content Data Sheet



Sales Product Name				AIKQ100N60CT		Issued		2. August 2018	
MA#				MA001671820					
Package				PG-TO247-3-46		Weight*		6890.81 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	9.865	0.14	0.14	1432	1432	
chip_2	inorganic material	silicon	7440-21-3	5.077	0.07	0.07	737	737	
leadframe	inorganic material	phosphorus	7723-14-0	1.220	0.02		177		
	non noble metal	iron	7439-89-6	4.066	0.06		590		
wire	non noble metal	copper	7440-50-8	4060.901	58.93	59.01	589322	590089	
	non noble metal	aluminium	7429-90-5	30.556	0.44	0.44	4434	4434	
encapsulation	organic material	carbon black	1333-86-4	20.446	0.30		2967		
	plastics	epoxy resin	-	388.473	5.64		56375		
	inorganic material	silicondioxide	60676-86-0	1635.677	23.74	29.68	237370	296712	
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4870	4870	
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	298	298	
solder	non noble metal	antimony	7440-36-0	1.009	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	951	1463	
heatspreader	inorganic material	phosphorus	7723-14-0	0.207	0.00		30		
	non noble metal	iron	7439-89-6	0.689	0.01		100		
	non noble metal	copper	7440-50-8	687.941	9.98	9.99	99835	99965	
*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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