



## Material Content Data Sheet



<b>Sales Product Name</b>				AIKQ120N60CT		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA001671822					
<b>Package</b>				PG-TO247-3-46		<b>Weight*</b>		6893.03 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	11.796	0.17	0.17	1711	1711	
chip_2	inorganic material	silicon	7440-21-3	6.406	0.09	0.09	929	929	
leadframe	inorganic material	phosphorus	7723-14-0	1.220	0.02		177		
	non noble metal	iron	7439-89-6	4.066	0.06		590		
	non noble metal	copper	7440-50-8	4060.901	58.91	58.99	589132	589899	
	non noble metal	aluminium	7429-90-5	31.192	0.45	0.45	4525	4525	
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	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	99802	99932	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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