



## Material Content Data Sheet



<b>Sales Product Name</b>				AIKW30N60CT		<b>Issued</b>		22. January 2018	
<b>MA#</b>				MA001393212					
<b>Package</b>				PG-TO247-3-41		<b>Weight*</b>		6048.86 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	1.483	0.02	0.02	245	245	
chip_2	inorganic material	silicon	7440-21-3	3.012	0.05	0.05	498	498	
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		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	87466	87580	
	non noble metal	aluminium	7429-90-5	16.681	0.28	0.28	2758	2758	
wire	non noble metal	aluminium	7429-90-5	16.681	0.28	0.28	2758	2758	
encapsulation	organic material	carbon black	1333-86-4	19.912	0.33		3292		
	plastics	epoxy resin	-	378.320	6.25		62544		
	inorganic material	silicondioxide	60676-86-0	1592.926	26.33	32.91	263343	329179	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805	
solder	non noble metal	antimony	7440-36-0	0.335	0.01		55		
	noble metal	silver	7440-22-4	0.838	0.01		138		
	non noble metal	tin	7440-31-5	2.178	0.04	0.06	360	553	
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	3438.006	56.83	56.91	568373	569113	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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