



Material Content Data Sheet



Sales Product Name				AIKW50N60CT		Issued		20. July 2018	
MA#				MA001413990					
Package				PG-TO247-3-41		Weight*		6051.20 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	8.178	0.14	0.14	1352	1352	
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88		
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26		
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87432	87546	
wire	non noble metal	aluminium	7429-90-5	15.625	0.26	0.26	2582	2582	
encapsulation	organic material	carbon black	1333-86-4	19.885	0.33		3286		
	plastics	epoxy resin	-	377.808	6.24		62435		
	inorganic material	silicondioxide	60676-86-0	1590.772	26.29	32.86	262885	328606	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5267	5267	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803	
solder	non noble metal	antimony	7440-36-0	0.576	0.01		95		
	noble metal	silver	7440-22-4	1.439	0.02		238		
	non noble metal	tin	7440-31-5	3.742	0.06	0.09	618	951	
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569		
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171		
	non noble metal	copper	7440-50-8	3438.006	56.81	56.89	568153	568893	
*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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