



Material Content Data Sheet



Sales Product Name				AIKW20N60CT		Issued		20. July 2018	
MA#				MA001455556					
Package				PG-TO247-3-41		Weight*		6046.84 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	3.090	0.05	0.05	511	511	
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	8.75	8.76	87495	87609	
wire	non noble metal	aluminium	7429-90-5	7.529	0.12	0.12	1245	1245	
encapsulation	organic material	carbon black	1333-86-4	20.006	0.33		3309		
	plastics	epoxy resin	-	380.123	6.29		62863		
	inorganic material	silicondioxide	60676-86-0	1600.518	26.47	33.09	264686	330858	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807	
solder	non noble metal	antimony	7440-36-0	0.240	0.00		40		
	noble metal	silver	7440-22-4	0.599	0.01		99		
	non noble metal	tin	7440-31-5	1.558	0.03	0.04	258	397	
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	56.85	56.93	568562	569302	
*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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