



## Material Content Data Sheet



<b>Sales Product Name</b>		AIKW20N60CT		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001455556						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		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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