



Material Content Data Sheet



Sales Product Name		AIKW20N60CT		Issued		1. August 2018		
MA#		MA001671748						
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_1	inorganic material	silicon	7440-21-3	1.062	0.02	0.02	176	176
chip_2	inorganic material	silicon	7440-21-3	2.028	0.03	0.03	335	335
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	87495	87609
	non noble metal	aluminium	7429-90-5	7.529	0.12	0.12	1245	1245
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	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	56.85	56.93	568562	569302
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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