



Material Content Data Sheet



Sales Product Name		AIKW40N65DH5		Issued		1. August 2018		
MA#		MA001393660						
Package		PG-TO247-3-41		Weight*		6047.63 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	3.001	0.05	0.05	496	496
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	87484	87598
wire	non noble metal	aluminium	7429-90-5	13.541	0.22	0.22	2239	2239
encapsulation	organic material	carbon black	1333-86-4	19.954	0.33		3299	
	plastics	epoxy resin	-	379.120	6.27		62689	
	inorganic material	silicondioxide	60676-86-0	1596.293	26.40	33.00	263954	329942
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	4806	4806
solder	non noble metal	antimony	7440-36-0	0.254	0.00		42	
	noble metal	silver	7440-22-4	0.636	0.01		105	
	non noble metal	tin	7440-31-5	1.654	0.03	0.04	273	420
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	56.84	56.92	568488	569228
*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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