



Material Content Data Sheet



Sales Product Name				AIKW40N65DF5		Issued		20. July 2018	
MA#				MA001393612					
Package				PG-TO247-3-41		Weight*		6046.56 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	1.594	0.03	0.03	264	264	
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	87499	87613	
wire	non noble metal	aluminium	7429-90-5	13.706	0.23	0.23	2267	2267	
encapsulation	organic material	carbon black	1333-86-4	19.967	0.33		3302		
	plastics	epoxy resin	-	379.364	6.27		62740		
	inorganic material	silicondioxide	60676-86-0	1597.322	26.42	33.02	264170	330212	
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	0.143	0.00		24		
	noble metal	silver	7440-22-4	0.359	0.01		59		
	non noble metal	tin	7440-31-5	0.932	0.02	0.03	154	237	
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	568589	569329	
*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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