



Material Content Data Sheet



Sales Product Name				AIKW50N65DH5		Issued		20. July 2018	
MA#				MA001397032					
Package				PG-TO247-3-41		Weight*		6048.14 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	3.636	0.06	0.06	601	601	
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	87476	87590	
wire	non noble metal	aluminium	7429-90-5	13.756	0.23	0.23	2274	2274	
encapsulation	organic material	carbon black	1333-86-4	19.945	0.33		3298		
	plastics	epoxy resin	-	378.961	6.27		62658		
	inorganic material	silicondioxide	60676-86-0	1595.625	26.38	32.98	263821	329777	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4806	4806	
solder	non noble metal	antimony	7440-36-0	0.304	0.00		50		
	noble metal	silver	7440-22-4	0.759	0.01		125		
	non noble metal	tin	7440-31-5	1.973	0.03	0.04	326	501	
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	568441	569181	
*deviation	< 10%			Sum in total:		100.00		1000000	

Important Remarks:

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2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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