



Material Content Data Sheet



Sales Product Name				IKW30N65ES5		Issued		20. July 2018	
MA#				MA001319750					
Package				PG-TO247-3-41		Weight*		6048.60 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	3.472	0.06	0.06	574	574	
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	87470	87584	
wire	non noble metal	aluminium	7429-90-5	12.054	0.20	0.20	1993	1993	
encapsulation	organic material	carbon black	1333-86-4	19.962	0.33		3300		
	plastics	epoxy resin	-	379.277	6.27		62705		
	inorganic material	silicondioxide	60676-86-0	1596.958	26.40	33.00	264021	330026	
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5336	5336	
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4865	4865	
solder	non noble metal	antimony	7440-36-0	0.293	0.00		49		
	noble metal	silver	7440-22-4	0.733	0.01		121		
	non noble metal	tin	7440-31-5	1.907	0.03	0.04	315	485	
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	568397	569137	
*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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