



Material Content Data Sheet



Sales Product Name		IKW30N65EL5		Issued		19. January 2018		
MA#		MA001178578						
Package		PG-TO247-3-44		Weight*		6047.81 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	3.491	0.06	0.06	577	577
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	87481	87595
	non noble metal	aluminium	7429-90-5	11.536	0.19	0.19	1908	1908
wire	non noble metal	aluminium	7429-90-5	11.536	0.19	0.19	1908	1908
encapsulation	organic material	carbon black	1333-86-4	19.966	0.33		3301	
	plastics	epoxy resin	-	379.360	6.27		62727	
	inorganic material	silicondioxide	60676-86-0	1597.304	26.41	33.01	264113	330141
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	0.297	0.00		49	
	noble metal	silver	7440-22-4	0.744	0.01		123	
	non noble metal	tin	7440-31-5	1.933	0.03	0.04	320	492
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	568471	569211
*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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