



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW50N65F5		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001132928						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6047.79 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	3.420	0.06	0.06	565	565
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	87481	87595
wire	non noble metal	aluminium	7429-90-5	11.391	0.19	0.19	1884	1884
encapsulation	organic material	carbon black	1333-86-4	19.968	0.33		3302	
	plastics	epoxy resin	-	379.395	6.27		62733	
	inorganic material	silicondioxide	60676-86-0	1597.451	26.41	33.01	264138	330173
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	0.299	0.00		49	
	noble metal	silver	7440-22-4	0.748	0.01		124	
	non noble metal	tin	7440-31-5	1.944	0.03	0.04	321	494
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	56.85	56.93	568473	569213
*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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