



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW50N65F5		<b>Issued</b>		1. April 2015		
<b>MA#</b>		MA000974070						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6049.83 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	5.033	0.08	0.08	832	832
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	87452	87566
wire	non noble metal	aluminium	7429-90-5	11.391	0.19	0.19	1883	1883
encapsulation	organic material	carbon black	1333-86-4	19.952	0.33		3298	
	plastics	epoxy resin	-	379.080	6.27		62660	
	inorganic material	silicondioxide	60676-86-0	1596.127	26.38	32.98	263830	329788
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5334	5334
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4864	4864
solder	non noble metal	antimony	7440-36-0	0.431	0.01		71	
	noble metal	silver	7440-22-4	1.078	0.02		178	
	non noble metal	tin	7440-31-5	2.802	0.05	0.08	463	712
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	56.81	56.89	568281	569021
*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 2011/65/EU (RoHS) and does not use any exemption.

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