



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW20N60T		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA000984564						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6045.35 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	1.102	0.02	0.02	182	182
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	87517	87631
wire	non noble metal	aluminium	7429-90-5	7.389	0.12	0.12	1222	1222
encapsulation	organic material	carbon black	1333-86-4	20.028	0.33		3313	
	plastics	epoxy resin	-	380.528	6.29		62946	
	inorganic material	silicondioxide	60676-86-0	1602.224	26.50	33.12	265034	331293
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5273	5273
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4808	4808
solder	non noble metal	antimony	7440-36-0	0.090	0.00		15	
	noble metal	silver	7440-22-4	0.224	0.00		37	
	non noble metal	tin	7440-31-5	0.583	0.01	0.01	96	148
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	56.88	56.96	568703	569443
*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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