



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW40N65WR5		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001180212						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6046.65 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	2.080	0.03	0.03	344	344
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	87498	87612
wire	non noble metal	aluminium	7429-90-5	11.287	0.19	0.19	1867	1867
encapsulation	organic material	carbon black	1333-86-4	19.983	0.33		3305	
	plastics	epoxy resin	-	379.677	6.28		62791	
	inorganic material	silicondioxide	60676-86-0	1598.641	26.44	33.05	264384	330480
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.180	0.00		30	
	noble metal	silver	7440-22-4	0.451	0.01		75	
	non noble metal	tin	7440-31-5	1.173	0.02	0.03	194	299
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	568580	569320
*deviation	< 10%					Sum in total:	100.00	1000000

### Important Remarks:

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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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