



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW30N65WR5		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001584036						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6054.81 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	1.638	0.03	0.03	271	271
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87380	87493
wire	non noble metal	aluminium	7429-90-5	85.107	1.41	1.41	14056	14056
encapsulation	organic material	carbon black	1333-86-4	19.334	0.32		3193	
	plastics	epoxy resin	-	367.353	6.07		60671	
	inorganic material	silicondioxide	60676-86-0	1546.750	25.55	31.94	255458	319322
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.145	0.00		24	
	noble metal	silver	7440-22-4	0.362	0.01		60	
	non noble metal	tin	7440-31-5	0.940	0.02	0.03	155	239
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	56.75	56.83	567815	568555
*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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