



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW40N65H5		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001350456						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6058.42 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	2.946	0.05	0.05	486	486
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	8.73	8.74	87328	87441
wire	non noble metal	aluminium	7429-90-5	107.415	1.77	1.77	17730	17730
encapsulation	organic material	carbon black	1333-86-4	19.124	0.32		3157	
	plastics	epoxy resin	-	363.348	6.00		59974	
	inorganic material	silicondioxide	60676-86-0	1529.885	25.25	31.57	252522	315653
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5261	5261
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4797	4797
solder	non noble metal	antimony	7440-36-0	0.253	0.00		42	
	noble metal	silver	7440-22-4	0.632	0.01		104	
	non noble metal	tin	7440-31-5	1.642	0.03	0.04	271	417
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.74	56.82	567477	568215
*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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