



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW40N60H3		<b>Issued</b>		23. January 2018		
<b>MA#</b>		MA001638888						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6049.00 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	4.917	0.08	0.08	813	813
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	87464	87578
wire	non noble metal	aluminium	7429-90-5	15.706	0.26	0.26	2596	2596
encapsulation	organic material	carbon black	1333-86-4	19.916	0.33		3292	
	plastics	epoxy resin	-	378.407	6.26		62557	
	inorganic material	silicondioxide	60676-86-0	1593.292	26.34	32.93	263398	329247
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.358	0.01		59	
	noble metal	silver	7440-22-4	0.896	0.01		148	
	non noble metal	tin	7440-31-5	2.329	0.04	0.06	385	592
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	56.82	56.90	568360	569100
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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