



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW75N65EH5		<b>Issued</b>		13. August 2019		
<b>MA#</b>		MA002574534						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6054.82 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	2.928	0.05	0.05	484	484
chip_2	inorganic material	silicon	7440-21-3	3.827	0.06	0.06	632	632
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		87	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87380	87493
	non noble metal	aluminium	7429-90-5	20.315	0.34	0.34	3355	3355
wire	non noble metal	aluminium	7429-90-5	20.315	0.34	0.34	3355	3355
encapsulation	organic material	carbon black	1333-86-4	19.891	0.33		3285	
	plastics	epoxy resin	-	377.926	6.24		62417	
	inorganic material	silicondioxide	60676-86-0	1591.267	26.28	32.85	262810	328512
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	0.549	0.01		91	
	noble metal	silver	7440-22-4	1.371	0.02		227	
	non noble metal	tin	7440-31-5	3.566	0.06	0.09	589	907
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.77	56.85	567813	568553
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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