



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW75N65ES5		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA001319792						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6051.71 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	6.917	0.11	0.11	1143	1143
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	8.74	8.75	87425	87539
wire	non noble metal	aluminium	7429-90-5	16.959	0.28	0.28	2802	2802
encapsulation	organic material	carbon black	1333-86-4	19.884	0.33		3286	
	plastics	epoxy resin	-	377.793	6.24		62427	
	inorganic material	silicondioxide	60676-86-0	1590.708	26.29	32.86	262852	328565
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5333	5333
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4863	4863
solder	non noble metal	antimony	7440-36-0	0.551	0.01		91	
	noble metal	silver	7440-22-4	1.378	0.02		228	
	non noble metal	tin	7440-31-5	3.583	0.06	0.09	592	911
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	56.81	56.89	568104	568844
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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