



## Material Content Data Sheet



<b>Sales Product Name</b>		IKZ75N65ES5		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001714660						
<b>Package</b>		PG-TO247-4-1		<b>Weight*</b>		6166.67 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	1122	1122
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	non noble metal	iron	7439-89-6	2.890	0.05		469	
	non noble metal	copper	7440-50-8	2885.760	46.80	46.86	467960	468570
	non noble metal	aluminium	7429-90-5	13.682	0.22	0.22	2219	2219
wire	non noble metal	aluminium	7429-90-5	13.682	0.22	0.22	2219	2219
encapsulation	organic material	carbon black	1333-86-4	20.015	0.32		3246	
	plastics	epoxy resin	-	380.285	6.17		61668	
	inorganic material	silicondioxide	60676-86-0	1601.198	25.97	32.46	259653	324567
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3744	3744
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.551	0.01		89	
	noble metal	silver	7440-22-4	1.378	0.02		223	
	non noble metal	tin	7440-31-5	3.583	0.06	0.09	581	893
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		199	
	non noble metal	copper	7440-50-8	1222.919	19.83	19.86	198311	198570
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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