



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKZ75N65ES5	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA005355082		
<b>Package</b>	PG-TO247-4-1	<b>Weight*</b>	6170.03 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	3.143	0.05	0.05	509	509
chip_2	inorganic material	silicon	7440-21-3	3.827	0.06	0.06	620	620
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		140	
	non noble metal	iron	7439-89-6	2.890	0.05		468	
	non noble metal	copper	7440-50-8	2,885.760	46.78	46.84	467706	468314
wire	non noble metal	aluminium	7429-90-5	17.024	0.28	0.28	2759	2759
encapsulation	organic material	carbon black	1333-86-4	20.015	0.32		3244	
	plastics	epoxy resin	-	380.276	6.16		61633	
	inorganic material	silicondioxide	60676-86-0	1,601.162	25.95	32.43	259507	324384
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3742	3742
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.552	0.01		89	
	noble metal	silver	7440-22-4	1.380	0.02		224	
	non noble metal	tin	7440-31-5	3.588	0.06	0.09	582	895
heatspreader	inorganic material	phosphorus	7723-14-0	0.367	0.01		60	
	non noble metal	iron	7439-89-6	1.225	0.02		198	
	non noble metal	copper	7440-50-8	1,222.919	19.82	19.85	198204	198462
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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