



## Material Content Data Sheet



Halogen-Free

Sales Product Name	IKZ75N65ES5	Issued	14. February 2022
MA#	MA005626041		
Package	PG-TO247-4-1	Weight*	6170.52 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	3.827	0.06	0.06	620	620
chip_2	inorganic material	silicon	7440-21-3	3.143	0.05	0.05	509	509
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	467669	468277
wire	non noble metal	aluminium	7429-90-5	18.745	0.30	0.30	3038	3038
encapsulation	organic material	carbon black	1333-86-4	20.002	0.32		3242	
	plastics	epoxy resin	-	380.043	6.16		61590	
	inorganic material	silicondioxide	60676-86-0	1,600.183	25.93	32.41	259327	324159
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3741	3741
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	198188	198446
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com