

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKZ50N65ES5	**Issued**	05. April 2021
MA#	MA001637680		
Package	PG-TO247-4-1	**Weight***	6168.53 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	2.667	0.04	0.04	432	432
chip_2	inorganic material	silicon	7440-21-3	2.181	0.04	0.04	354	354
leadframe	inorganic material	phosphorus	7723-14-0	0.867	0.01		141	
	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	467820	468429
wire	non noble metal	aluminium	7429-90-5	17.213	0.28	0.28	2791	2791
encapsulation	organic material	carbon black	1333-86-4	20.035	0.32		3248	
	plastics	epoxy resin	-	380.656	6.17		61709	
	inorganic material	silicondioxide	60676-86-0	1,602.760	25.98	32.47	259828	324785
leadfinish	non noble metal	tin	7440-31-5	23.087	0.37	0.37	3743	3743
plating	non noble metal	nickel	7440-02-0	1.945	0.03	0.03	315	315
solder	non noble metal	antimony	7440-36-0	0.396	0.01		64	
	noble metal	silver	7440-22-4	0.990	0.02		160	
	non noble metal	tin	7440-31-5	2.574	0.04	0.07	417	641
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	1,222.919	19.83	19.86	198251	198510
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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