



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKY50N120CH3	Issued	17. February 2022
MA#	MA005619466		
Package	PG-TO247-4-2	Weight*	6900.11 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	9.050	0.13	0.13	1312	1312
chip_2	inorganic material	silicon	7440-21-3	17.598	0.26	0.26	2550	2550
leadframe	inorganic material	phosphorus	7723-14-0	0.183			27	
	non noble metal	iron	7439-89-6	0.611	0.01		89	
	non noble metal	copper	7440-50-8	610.481	8.85	8.86	88474	88590
wire	non noble metal	aluminium	7429-90-5	35.826	0.52	0.52	5192	5192
encapsulation	organic material	carbon black	1333-86-4	20.488	0.30		2969	
	plastics	epoxy resin	-	389.270	5.64		56415	
	inorganic material	silicondioxide	60676-86-0	1,639.031	23.75	29.69	237536	296920
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5196	5196
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	283	283
solder	non noble metal	antimony	7440-36-0	1.282	0.02		186	
	noble metal	silver	7440-22-4	3.206	0.05		465	
	non noble metal	tin	7440-31-5	8.335	0.12	0.19	1208	1859
heatspreader	inorganic material	phosphorus	7723-14-0	1.238	0.02		179	
	non noble metal	iron	7439-89-6	4.127	0.06		598	
	non noble metal	copper	7440-50-8	4,121.580	59.72	59.80	597321	598098
*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