



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKY50N120CH3	<b>Issued</b>	10. May 2021
<b>MA#</b>	MA001620098		
<b>Package</b>	PG-TO247-4-2	<b>Weight*</b>	6900.01 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	17.598	0.26	0.26	2550	2550
chip_2	inorganic material	silicon	7440-21-3	9.050	0.13	0.13	1312	1312
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	88475	88591
wire	non noble metal	aluminium	7429-90-5	35.725	0.52	0.52	5177	5177
encapsulation	organic material	carbon black	1333-86-4	20.488	0.30		2969	
	plastics	epoxy resin	-	389.270	5.64		56416	
	inorganic material	silicondioxide	60676-86-0	1,639.031	23.75	29.69	237540	296925
leadfinish	non noble metal	tin	7440-31-5	35.857	0.52	0.52	5197	5197
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	597329	598106
*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