



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKQ50N120CT2	<b>Issued</b>	05. May 2021
<b>MA#</b>	MA001279874		
<b>Package</b>	PG-TO247-3-46	<b>Weight*</b>	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	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	1.220	0.02		177	
	non noble metal	iron	7439-89-6	4.066	0.06		589	
	non noble metal	copper	7440-50-8	4,060.901	58.83	58.91	588527	589293
wire	non noble metal	aluminium	7429-90-5	30.105	0.44	0.44	4363	4363
encapsulation	organic material	carbon black	1333-86-4	20.399	0.30		2956	
	plastics	epoxy resin	-	387.582	5.62		56170	
	inorganic material	silicondioxide	60676-86-0	1,631.923	23.65	29.57	236507	295633
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4863	4863
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	297	297
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	0.207			30	
	non noble metal	iron	7439-89-6	0.689	0.01		100	
	non noble metal	copper	7440-50-8	687.941	9.97	9.98	99700	99830
*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