

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKQ40N120CT2	**Issued**	17. May 2021
MA#	MA005424514		
Package	PG-TO247-3-52	**Weight***	6811.25 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	7.368	0.11	0.11	1082	1082
chip_2	inorganic material	silicon	7440-21-3	12.542	0.18	0.18	1841	1841
leadframe	inorganic material	phosphorus	7723-14-0	1.427	0.02		209	
	non noble metal	iron	7439-89-6	4.755	0.07		698	
	non noble metal	copper	7440-50-8	4,748.843	69.74	69.83	697206	698113
wire	non noble metal	aluminium	7429-90-5	29.397	0.43	0.43	4316	4316
encapsulation	organic material	carbon black	1333-86-4	9.807	0.14		1440	
	plastics	epoxy resin	-	392.279	5.76		57593	
	inorganic material	silicondioxide	60676-86-0	1,559.310	22.89	28.79	228932	287965
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4926	4926
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	301	301
solder	non noble metal	antimony	7440-36-0	0.992	0.01		146	
	noble metal	silver	7440-22-4	2.479	0.04		364	
	non noble metal	tin	7440-31-5	6.446	0.09	0.14	946	1456
*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