

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKQ120N120CH7	**Issued**	14. August 2023
MA#	MA005831230		
Package	PG-TO247-3-55	**Weight***	6809.44 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	9.004	0.132	0.132	1322	1322
chip_2	inorganic material	silicon	7440-21-3	17.716	0.260	0.260	2602	2602
leadframe	inorganic material	phosphorus	7723-14-0	1.427	0.021	69.830	209	698299
	non noble metal	iron	7439-89-6	4.755	0.070		698	
	non noble metal	copper	7440-50-8	4,748.843	69.739		697391	
wire	non noble metal	aluminium	7429-90-5	43.005	0.632	0.632	6315	6315
encapsulation	organic material	carbon black	1333-86-4	9.676	0.142	28.420	1421	284201
	miscellaneous	miscellaneous	-	102.568	1.506		15063	
	plastics	phenol resin	-	172.237	2.529		25294	
	plastics	epoxy resin	-	410.272	6.025		60251	
	inorganic material	silicondioxide	60676-86-0	1,240.492	18.217		182173	
leadfinish	non noble metal	tin	7440-31-5	33.555	0.493	0.493	4928	4928
plating	non noble metal	nickel	7440-02-0	2.052	0.030	0.030	301	301
solder	non noble metal	antimony	7440-36-0	1.384	0.020	0.203	203	2032
	noble metal	silver	7440-22-4	3.459	0.051		508	
	non noble metal	tin	7440-31-5	8.993	0.132		1321	
*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.

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