

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKQ75N120CT2	**Issued**	17. May 2021
MA#	MA005424733		
Package	PG-TO247-3-52	**Weight***	6823.94 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	12.922	0.19	0.19	1894	1894
chip_2	inorganic material	silicon	7440-21-3	24.379	0.36	0.36	3573	3573
leadframe	inorganic material	phosphorus	7723-14-0	1.427	0.02		209	
	non noble metal	iron	7439-89-6	4.755	0.07		697	
	non noble metal	copper	7440-50-8	4,748.843	69.59	69.68	695908	696814
wire	non noble metal	aluminium	7429-90-5	39.663	0.58	0.58	5812	5812
encapsulation	organic material	carbon black	1333-86-4	9.694	0.14		1421	
	plastics	epoxy resin	-	387.778	5.68		56826	
	inorganic material	silicondioxide	60676-86-0	1,541.416	22.59	28.41	225883	284130
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4917	4917
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	301	301
solder	non noble metal	antimony	7440-36-0	1.746	0.03		256	
	noble metal	silver	7440-22-4	4.364	0.06		640	
	non noble metal	tin	7440-31-5	11.347	0.17	0.26	1663	2559
*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.
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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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