

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKY50N120CH3	**Issued**	17. May 2021
MA#	MA005424736		
Package	PG-TO247-4-6	**Weight***	6813.10 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	9.182	0.13	0.13	1348	1348
chip_2	inorganic material	silicon	7440-21-3	17.598	0.26	0.26	2583	2583
leadframe	inorganic material	phosphorus	7723-14-0	1.421	0.02		209	
	non noble metal	iron	7439-89-6	4.738	0.07		695	
	non noble metal	copper	7440-50-8	4,732.060	69.46	69.55	694553	695457
wire	non noble metal	aluminium	7429-90-5	36.374	0.53	0.53	5339	5339
encapsulation	organic material	carbon black	1333-86-4	9.805	0.14		1439	
	plastics	epoxy resin	-	392.213	5.76		57567	
	inorganic material	silicondioxide	60676-86-0	1,559.045	22.88	28.78	228831	287837
leadfinish	non noble metal	tin	7440-31-5	35.857	0.53	0.53	5263	5263
plating	non noble metal	nickel	7440-02-0	1.952	0.03	0.03	286	286
solder	non noble metal	antimony	7440-36-0	1.285	0.02		189	
	noble metal	silver	7440-22-4	3.213	0.05		472	
	non noble metal	tin	7440-31-5	8.355	0.12	0.19	1226	1887
*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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