

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKY120N120CH7	**Issued**	28. August 2023
MA#	MA005831233		
Package	PG-TO247-4-9	**Weight***	6803.90 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	1323	1323
chip_2	inorganic material	silicon	7440-21-3	17.716	0.260	0.260	2604	2604
leadframe	inorganic material	phosphorus	7723-14-0	1.421	0.021	69.640	209	696398
	non noble metal	iron	7439-89-6	4.738	0.070		696	
	non noble metal	copper	7440-50-8	4,732.060	69.549		695492	
wire	non noble metal	aluminium	7429-90-5	38.399	0.564	0.564	5644	5644
encapsulation	organic material	carbon black	1333-86-4	9.745	0.143	28.644	1432	286441
	miscellaneous	miscellaneous	-	103.293	1.518		15181	
	plastics	phenol resin	-	173.454	2.549		25493	
	plastics	epoxy resin	-	413.171	6.073		60726	
	inorganic material	silicondioxide	60676-86-0	1,249.256	18.361		183609	
leadfinish	non noble metal	tin	7440-31-5	35.857	0.527	0.527	5270	5270
plating	non noble metal	nickel	7440-02-0	1.952	0.029	0.029	287	287
solder	non noble metal	antimony	7440-36-0	1.384	0.020	0.203	203	2033
	noble metal	silver	7440-22-4	3.459	0.051		508	
	non noble metal	tin	7440-31-5	8.993	0.132		1322	
*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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