



Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW40N120CS6	Issued	17. February 2022
MA#	MA005619790		
Package	PG-TO247-3-44	Weight*	5975.74 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	4.609	0.08	0.08	771	771
chip_2	inorganic material	silicon	7440-21-3	12.588	0.21	0.21	2107	2107
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		199	
	non noble metal	iron	7439-89-6	3.972	0.07		665	
	non noble metal	copper	7440-50-8	3,967.074	66.39	66.48	663863	664727
wire	non noble metal	aluminium	7429-90-5	19.374	0.32	0.32	3242	3242
encapsulation	organic material	carbon black	1333-86-4	9.487	0.16		1588	
	plastics	epoxy resin	-	379.478	6.35		63503	
	inorganic material	silicondioxide	60676-86-0	1,508.424	25.24	31.75	252424	317515
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5334	5334
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4864	4864
solder	non noble metal	antimony	7440-36-0	0.861	0.01		144	
	noble metal	silver	7440-22-4	2.152	0.04		360	
	non noble metal	tin	7440-31-5	5.594	0.09	0.14	936	1440
*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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