



## Material Content Data Sheet



Halogen-Free

Sales Product Name	IKW40N120CS6	Issued	16. April 2021
MA#	MA005412681		
Package	PG-TO247-3-44	Weight*	5971.99 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	12.588	0.21	0.21	2108	2108
chip_2	inorganic material	silicon	7440-21-3	4.677	0.08	0.08	783	783
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		665	
	non noble metal	copper	7440-50-8	3,967.074	66.43	66.52	664280	665145
wire	non noble metal	aluminium	7429-90-5	15.588	0.26	0.26	2610	2610
encapsulation	organic material	carbon black	1333-86-4	9.487	0.16		1589	
	plastics	epoxy resin	-	379.466	6.35		63541	
	inorganic material	silicondioxide	60676-86-0	1,508.377	25.26	31.77	252576	317706
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5337	5337
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4867	4867
solder	non noble metal	antimony	7440-36-0	0.863	0.01		144	
	noble metal	silver	7440-22-4	2.157	0.04		361	
	non noble metal	tin	7440-31-5	5.608	0.09	0.14	939	1444
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com