

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IKW40N120CS6	**Issued**	31. January 2019
MA#	MA001731474		
Package	PG-TO247-3-44	**Weight***	5961.63 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	773	773
chip_2	inorganic material	silicon	7440-21-3	12.588	0.21	0.21	2112	2112
leadframe	inorganic material	phosphorus	7723-14-0	1.192	0.02		200	
	non noble metal	iron	7439-89-6	3.972	0.07		666	
	non noble metal	copper	7440-50-8	3967.074	66.55	66.64	665435	666301
wire	non noble metal	aluminium	7429-90-5	15.571	0.26	0.26	2612	2612
encapsulation	organic material	carbon black	1333-86-4	9.435	0.16		1583	
	plastics	epoxy resin	-	377.415	6.33		63307	
	inorganic material	silicondioxide	60676-86-0	1500.226	25.16	31.65	251647	316537
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5347	5347
plating	non noble metal	nickel	7440-02-0	29.065	0.49	0.49	4875	4875
solder	non noble metal	antimony	7440-36-0	0.861	0.01		144	
	noble metal	silver	7440-22-4	2.152	0.04		361	
	non noble metal	tin	7440-31-5	5.594	0.09	0.14	938	1443
*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

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