



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW40N120CS6		<b>Issued</b>		31. January 2019			
<b>MA#</b>		MA001731474							
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		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	
	non noble metal	aluminium	7429-90-5	15.571	0.26	0.26	2612	2612	
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.
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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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