



## Material Content Data Sheet



<b>Sales Product Name</b>		IKW40N60H3		<b>Issued</b>		4. July 2019		
<b>MA#</b>		MA005348449						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6049.25 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	1.102	0.02	0.02	182	182
chip_2	inorganic material	silicon	7440-21-3	3.815	0.06	0.06	631	631
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
wire	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87460	87574
	non noble metal	aluminium	7429-90-5	17.863	0.30	0.30	2953	2953
encapsulation	organic material	carbon black	1333-86-4	19.897	0.33		3289	
	plastics	epoxy resin	-	378.044	6.25		62494	
	inorganic material	silicondioxide	60676-86-0	1591.766	26.31	32.89	263135	328918
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.358	0.01		59	
	noble metal	silver	7440-22-4	0.896	0.01		148	
	non noble metal	tin	7440-31-5	2.329	0.04	0.06	385	592
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.82	56.90	568336	569076
*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