



Material Content Data Sheet



Sales Product Name	IKW20N60H3			Issued		11. December 2019		
MA#	MA005410212							
Package	PG-TO247-3-44			Weight*		6048.43 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	0.641	0.01	0.01	106	
chip_2	inorganic material	silicon	7440-21-3	2.028	0.03	0.03	335	335
leadframe	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87472	87586
wire	non noble metal	aluminium	7429-90-5	9.607	0.16	0.16	1588	1588
encapsulation	organic material	carbon black	1333-86-4	20.009	0.33		3308	
	plastics	epoxy resin	-	380.172	6.29		62855	
	inorganic material	silicondioxide	60676-86-0	1600.724	26.47	33.09	264651	330814
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5270	5270
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.207	0.00		34	
	noble metal	silver	7440-22-4	0.519	0.01		86	
	non noble metal	tin	7440-31-5	1.348	0.02	0.03	223	343
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	56.83	56.91	568413	569153
*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 München
Internet	www.infineon.com