



Material Content Data Sheet



Sales Product Name		IKW50N65H5		Issued		25. January 2018		
MA#		MA001350458						
Package		PG-TO247-3-44		Weight*		6048.62 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	3.570	0.06	0.06	590	590
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87469	87583
wire	non noble metal	aluminium	7429-90-5	11.550	0.19	0.19	1910	1910
encapsulation	organic material	carbon black	1333-86-4	19.965	0.33		3301	
	plastics	epoxy resin	-	379.343	6.27		62716	
	inorganic material	silicondioxide	60676-86-0	1597.234	26.41	33.01	264066	330083
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5336	5336
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4865	4865
solder	non noble metal	antimony	7440-36-0	0.302	0.00		50	
	noble metal	silver	7440-22-4	0.754	0.01		125	
	non noble metal	tin	7440-31-5	1.960	0.03	0.04	324	499
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.84	56.92	568394	569134
*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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