



Material Content Data Sheet



Sales Product Name		IKW40N65H5		Issued		19. July 2018		
MA#		MA001350456						
Package		PG-TO247-3-44		Weight*		6058.42 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	2.946	0.05	0.05	486	486
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.73	8.74	87328	87441
wire	non noble metal	aluminium	7429-90-5	107.415	1.77	1.77	17730	17730
encapsulation	organic material	carbon black	1333-86-4	19.124	0.32		3157	
	plastics	epoxy resin	-	363.348	6.00		59974	
	inorganic material	silicondioxide	60676-86-0	1529.885	25.25	31.57	252522	315653
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5261	5261
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4797	4797
solder	non noble metal	antimony	7440-36-0	0.253	0.00		42	
	noble metal	silver	7440-22-4	0.632	0.01		104	
	non noble metal	tin	7440-31-5	1.642	0.03	0.04	271	417
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		568	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.74	56.82	567477	568215
*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