



Material Content Data Sheet



Sales Product Name		IKW30N60H3		Issued		20. July 2018		
MA#		MA001428606						
Package		PG-TO247-3-44		Weight*		6048.15 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	3.883	0.06	0.06	642	642
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	87476	87590
wire	non noble metal	aluminium	7429-90-5	7.862	0.13	0.13	1300	1300
encapsulation	organic material	carbon black	1333-86-4	19.996	0.33		3306	
	plastics	epoxy resin	-	379.920	6.28		62816	
	inorganic material	silicondioxide	60676-86-0	1599.663	26.45	33.06	264487	330609
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	4866	4866
solder	non noble metal	antimony	7440-36-0	0.289	0.00		48	
	noble metal	silver	7440-22-4	0.723	0.01		120	
	non noble metal	tin	7440-31-5	1.880	0.03	0.04	311	479
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	56.85	56.93	568438	569178
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com