



Material Content Data Sheet



Sales Product Name	IKW50N60TA			Issued		17. December 2015		
MA#	MA000802762							
Package	PG-TO247-3-41			Weight*		6056.55 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	8.571	0.14	0.14	1415	1415
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	8.74	8.75	87355	87468
wire	non noble metal	aluminium	7429-90-5	16.003	0.26	0.26	2642	2642
encapsulation	organic material	carbon black	1333-86-4	19.863	0.33		3280	
	plastics	epoxy resin	-	377.406	6.23		62314	
	inorganic material	silicondioxide	60676-86-0	1589.077	26.24	32.80	262373	327967
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5329	5329
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4859	4859
solder	non noble metal	antimony	7440-36-0	1.169	0.02		193	
	noble metal	silver	7440-22-4	2.923	0.05		483	
	non noble metal	tin	7440-31-5	7.600	0.13	0.20	1255	1931
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.75	56.83	567650	568389
*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 2011/65/EU (RoHS) and does not use any exemption.

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