



Material Content Data Sheet



Sales Product Name		IKW50N65WR5		Issued		1. August 2018		
MA#		MA001637678						
Package		PG-TO247-3-44		Weight*		6046.63 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	2.517	0.04	0.04	416	416
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	87498	87612
	non noble metal	aluminium	7429-90-5	8.167	0.14	0.14	1351	1351
wire	non noble metal	aluminium	7429-90-5	8.167	0.14	0.14	1351	1351
encapsulation	organic material	carbon black	1333-86-4	20.006	0.33		3309	
	plastics	epoxy resin	-	380.117	6.29		62864	
	inorganic material	silicondioxide	60676-86-0	1600.492	26.47	33.09	264691	330864
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5271	5271
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.216	0.00		36	
	noble metal	silver	7440-22-4	0.539	0.01		89	
	non noble metal	tin	7440-31-5	1.401	0.02	0.03	232	357
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	56.85	56.93	568582	569322
*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