



Material Content Data Sheet



Sales Product Name		IKW50N65ES5		Issued		20. July 2018		
MA#		MA001319790						
Package		PG-TO247-3-41		Weight*		6050.17 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	4.848	0.08	0.08	801	801
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	8.74	8.75	87447	87561
wire	non noble metal	aluminium	7429-90-5	16.906	0.28	0.28	2794	2794
encapsulation	organic material	carbon black	1333-86-4	19.905	0.33		3290	
	plastics	epoxy resin	-	378.199	6.25		62510	
	inorganic material	silicondioxide	60676-86-0	1592.415	26.32	32.90	263202	329002
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5334	5334
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4864	4864
solder	non noble metal	antimony	7440-36-0	0.396	0.01		65	
	noble metal	silver	7440-22-4	0.990	0.02		164	
	non noble metal	tin	7440-31-5	2.574	0.04	0.07	425	654
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	56.82	56.90	568250	568990
*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