



Material Content Data Sheet



Sales Product Name		IKA15N65H5		Issued		1. April 2015		
MA#		MA001216642						
Package		PG-TO220-3-111		Weight*		2244.50 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	1.375	0.06	0.06	613	613
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.57	30.61	305734	306132
wire	non noble metal	aluminium	7429-90-5	3.964	0.18	0.18	1766	1766
encapsulation	organic material	carbon black	1333-86-4	2.225	0.10		991	
	plastics	epoxy resin	-	208.696	9.30		92981	
	inorganic material	silicondioxide	60676-86-0	898.836	40.04	49.44	400460	494433
leadfinish	non noble metal	tin	7440-31-5	8.041	0.36	0.36	3582	3582
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136
solder	non noble metal	antimony	7440-36-0	0.127	0.01		57	
	noble metal	silver	7440-22-4	0.318	0.01		142	
	non noble metal	tin	7440-31-5	0.828	0.04	0.06	369	568
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.25	19.28	192519	192770
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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