



Material Content Data Sheet



Sales Product Name				IKP40N65F5		Issued		19. January 2018	
MA#				MA001212306					
Package				PG-TO220-3-1		Weight*		2031.89 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	2.822	0.14	0.14	1389	1389	
leadframe	non noble metal	iron	7439-89-6	0.816	0.04		402		
	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	copper	7440-50-8	815.335	40.12	40.17	401269	401793	
wire	non noble metal	aluminium	7429-90-5	9.302	0.46	0.46	4578	4578	
encapsulation	organic material	carbon black	1333-86-4	5.889	0.29		2898		
	plastics	epoxy resin	-	111.895	5.51		55070		
	inorganic material	silicondioxide	60676-86-0	471.138	23.19	28.99	231872	289840	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10563	10563	
plating	non noble metal	nickel	7440-02-0	0.244	0.01		120		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	120	
solder	non noble metal	antimony	7440-36-0	0.250	0.01		123		
	noble metal	silver	7440-22-4	0.626	0.03		308		
	non noble metal	tin	7440-31-5	1.627	0.08	0.12	801	1232	
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		290		
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
	non noble metal	copper	7440-50-8	589.466	29.01	29.05	290108	290485	
*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