



Material Content Data Sheet



Sales Product Name		IKP15N65F5		Issued		22. January 2018		
MA#		MA001132900						
Package		PG-TO220-3-1		Weight*		2030.10 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	1.318	0.06	0.06	649	649
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	40.15	40.20	401622	402146
wire	non noble metal	aluminium	7429-90-5	4.231	0.21	0.21	2084	2084
encapsulation	organic material	carbon black	1333-86-4	5.950	0.29		2931	
	plastics	epoxy resin	-	113.041	5.57		55683	
	inorganic material	silicondioxide	60676-86-0	475.964	23.45	29.31	234454	293068
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10572	10572
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	0.126	0.01		62	
	noble metal	silver	7440-22-4	0.314	0.02		155	
	non noble metal	tin	7440-31-5	0.817	0.04	0.07	403	620
heatspreader	non noble metal	iron	7439-89-6	0.590	0.03		291	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87	
	non noble metal	copper	7440-50-8	589.466	29.04	29.08	290363	290741
*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