



Material Content Data Sheet



Sales Product Name				IKP04N60T		Issued		25. September 2017	
MA#				MA000981014					
Package				PG-TO220-3-1		Weight*		2030.88 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	0.962	0.05	0.05	474	474	
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	40.14	40.19	401468	401992	
wire	non noble metal	aluminium	7429-90-5	14.038	0.69	0.69	6912	6912	
encapsulation	organic material	carbon black	1333-86-4	5.867	0.29		2889		
	plastics	epoxy resin	-	111.466	5.49		54886		
	inorganic material	silicondioxide	60676-86-0	469.331	23.11	28.89	231097	288872	
leadfinish	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10568	10568	
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	0.088	0.00		43		
	noble metal	silver	7440-22-4	0.220	0.01		108		
	non noble metal	tin	7440-31-5	0.571	0.03	0.04	281	432	
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	29.03	29.07	290252	290630	
*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