



Material Content Data Sheet



Sales Product Name				IKP20N60H3		Issued		22. January 2018	
MA#				MA001648494					
Package				PG-TO220-3-1		Weight*		2031.11 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip_1	inorganic material	silicon	7440-21-3	0.641	0.03	0.03	315	315	
chip_2	inorganic material	silicon	7440-21-3	2.028	0.10	0.10	998	998	
leadframe	inorganic material	phosphorus	7723-14-0	0.245	0.01		121		
	non noble metal	iron	7439-89-6	0.816	0.04		402		
wire	non noble metal	copper	7440-50-8	815.335	40.14	40.19	401422	401945	
	non noble metal	aluminium	7429-90-5	5.636	0.28	0.28	2775	2775	
encapsulation	organic material	carbon black	1333-86-4	5.924	0.29		2917		
	plastics	epoxy resin	-	112.556	5.54		55416		
leadfinish	inorganic material	silicondioxide	60676-86-0	473.918	23.33	29.16	233329	291662	
	non noble metal	tin	7440-31-5	21.462	1.06	1.06	10567	10567	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.244	0.01	0.01	120	121	
solder	non noble metal	antimony	7440-36-0	0.207	0.01		102		
	noble metal	silver	7440-22-4	0.519	0.03		255		
heatspreader	non noble metal	tin	7440-31-5	1.348	0.07	0.11	664	1021	
	inorganic material	phosphorus	7723-14-0	0.177	0.01		87		
*deviation	non noble metal	iron	7439-89-6	0.590	0.03		291		
	non noble metal	copper	7440-50-8	589.466	29.02	29.06	290218	290596	
						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 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