



## Material Content Data Sheet



<b>Sales Product Name</b>				IKB20N60H3		<b>Issued</b>		22. January 2018	
<b>MA#</b>				MA001648490					
<b>Package</b>				PG-TO263-3-2		<b>Weight*</b>		1558.56 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	0.04	0.04	411	411	
chip_2	inorganic material	silicon	7440-21-3	2.028	0.13	0.13	1301	1301	
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		59		
	non noble metal	iron	7439-89-6	0.304	0.02		195		
wire	non noble metal	copper	7440-50-8	304.026	19.51	19.54	195068	195322	
	non noble metal	aluminium	7429-90-5	5.238	0.34	0.34	3361	3361	
encapsulation	organic material	carbon black	1333-86-4	10.275	0.66		6593		
	plastics	epoxy resin	-	113.025	7.25		72518		
leadfinish	inorganic material	silicondioxide	60676-86-0	561.699	36.04	43.95	360395	439506	
	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6196	6196	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	147	148	
solder	non noble metal	tin	7440-31-5	0.059	0.00		38		
	noble metal	silver	7440-22-4	0.074	0.00		48		
heatspreader	non noble metal	lead	7439-92-1	2.837	0.18	0.18	1820	1906	
	inorganic material	phosphorus	7723-14-0	0.165	0.01		106		
*deviation	non noble metal	iron	7439-89-6	0.548	0.04		352		
	non noble metal	copper	7440-50-8	547.666	35.14	35.19	351391	351849	
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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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