



Material Content Data Sheet



Sales Product Name		IKB20N65EH5		Issued		1. August 2018		
MA#		MA001581894						
Package		PG-TO263-3-2		Weight*		1558.41 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	2.215	0.14	0.14	1421	1421
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	iron	7439-89-6	0.304	0.02		195	
	non noble metal	copper	7440-50-8	304.026	19.51	19.54	195087	195341
	non noble metal	aluminium	7429-90-5	6.020	0.39	0.39	3863	3863
wire	non noble metal	aluminium	7429-90-5	6.020	0.39	0.39	3863	3863
encapsulation	organic material	carbon black	1333-86-4	10.271	0.66		6590	
	plastics	epoxy resin	-	112.978	7.25		72495	
	inorganic material	silicondioxide	60676-86-0	561.465	36.03	43.94	360280	439365
leadfinish	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	0.056	0.00		36	
	noble metal	silver	7440-22-4	0.069	0.00		45	
	non noble metal	lead	7439-92-1	2.650	0.17	0.17	1701	1782
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		106	
	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	351426	351884
*deviation	< 10%		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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