



Material Content Data Sheet



Sales Product Name				IKB40N65EH5		Issued		31. January 2019	
MA#				MA004854612					
Package				PG-TO263-3-2		Weight*		1560.72 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	2.204	0.14	0.14	1412	1412	
chip_2	inorganic material	silicon	7440-21-3	1.801	0.12	0.12	1154	1154	
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	19.48	19.51	194799	195053	
	non noble metal	aluminium	7429-90-5	9.318	0.60	0.60	5970	5970	
encapsulation	organic material	carbon black	1333-86-4	10.199	0.65		6535		
	plastics	epoxy resin	-	112.193	7.19		71885		
	inorganic material	silicondioxide	60676-86-0	557.563	35.71	43.55	357248	435668	
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6187	6187	
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	146	147	
solder	non noble metal	tin	7440-31-5	0.095	0.01		61		
	noble metal	silver	7440-22-4	0.119	0.01		76		
	non noble metal	lead	7439-92-1	4.542	0.29	0.31	2910	3047	
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105		
	non noble metal	iron	7439-89-6	0.548	0.04		351		
	non noble metal	copper	7440-50-8	547.666	35.09	35.14	350906	351362	
*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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