



Material Content Data Sheet



Sales Product Name				IPB80N04S4-04		Issued		25. January 2018	
MA#				MA001043500					
Package				PG-TO263-3-2		Weight*		1557.52 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	1.788	0.11	0.11	1148	1148	
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195		
	inorganic material	phosphorus	7723-14-0	0.091	0.01		59		
	non noble metal	copper	7440-50-8	304.026	19.52	19.55	195198	195452	
wire	non noble metal	aluminium	7429-90-5	5.992	0.38	0.38	3847	3847	
encapsulation	organic material	carbon black	1333-86-4	10.279	0.66		6599		
	plastics	epoxy resin	-	113.067	7.26		72594		
	inorganic material	silicondioxide	60676-86-0	561.911	36.09	44.01	360773	439966	
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6200	6200	
plating	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	147	148	
	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
solder	noble metal	silver	7440-22-4	0.045	0.00		29		
	non noble metal	tin	7440-31-5	0.036	0.00		23		
	non noble metal	lead	7439-92-1	1.718	0.11	0.11	1103	1155	
heatspreader	non noble metal	iron	7439-89-6	0.548	0.04		352		
	inorganic material	phosphorus	7723-14-0	0.165	0.01		106		
	non noble metal	copper	7440-50-8	547.666	35.16	35.21	351626	352084	
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com