



Material Content Data Sheet



Sales Product Name		IPB160N04S4-H1		Issued		24. January 2018		
MA#		MA000767242						
Package		PG-TO263-7-3		Weight*		1535.62 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	5.138	0.33	0.33	3346	3346
leadframe	non noble metal	iron	7439-89-6	0.803	0.05		523	
	inorganic material	phosphorus	7723-14-0	0.241	0.02		157	
	non noble metal	copper	7440-50-8	801.714	52.20	52.27	522079	522760
wire	non noble metal	aluminium	7429-90-5	113.461	7.39	7.39	73886	73886
encapsulation	organic material	carbon black	1333-86-4	7.371	0.48		4800	
	plastics	epoxy resin	-	81.082	5.28		52801	
	inorganic material	silicondioxide	60676-86-0	402.955	26.24	32.00	262407	320008
leadfinish	non noble metal	tin	7440-31-5	12.317	0.80	0.80	8021	8021
plating	non noble metal	nickel	7440-02-0	0.269	0.02		175	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.02	1	175
solder	noble metal	silver	7440-22-4	0.098	0.01		64	
	non noble metal	tin	7440-31-5	0.078	0.01		51	
	non noble metal	lead	7439-92-1	3.739	0.24	0.26	2435	2550
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		69	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		21	
	non noble metal	copper	7440-50-8	106.210	6.92	6.93	69164	69254
*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