



Material Content Data Sheet



Sales Product Name		IPB180N04S4-H0		Issued		20. July 2018		
MA#		MA000767256						
Package		PG-TO263-7-3		Weight*		1539.29 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	8.155	0.53	0.53	5298	5298
leadframe	non noble metal	iron	7439-89-6	0.803	0.05		522	
	inorganic material	phosphorus	7723-14-0	0.241	0.02		156	
	non noble metal	copper	7440-50-8	801.714	52.07	52.14	520833	521512
wire	non noble metal	aluminium	7429-90-5	129.431	8.41	8.41	84085	84085
encapsulation	organic material	carbon black	1333-86-4	7.116	0.46		4623	
	plastics	epoxy resin	-	78.278	5.09		50853	
	inorganic material	silicondioxide	60676-86-0	389.018	25.27	30.82	252726	308202
leadfinish	non noble metal	tin	7440-31-5	12.317	0.80	0.80	8002	8002
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	0.140	0.01		91	
	non noble metal	tin	7440-31-5	0.112	0.01		73	
	non noble metal	lead	7439-92-1	5.345	0.35	0.37	3473	3637
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	6.90	6.91	68999	69089
*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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