



Material Content Data Sheet



Sales Product Name				IPB048N15N5		Issued		23. January 2018	
MA#				MA001313992					
Package				PG-TO263-3-2		Weight*		1573.86 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	7.046	0.45	0.45	4477	4477	
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		193		
	inorganic material	phosphorus	7723-14-0	0.091	0.01		58		
	non noble metal	copper	7440-50-8	304.026	19.32	19.35	193172	193423	
wire	non noble metal	aluminium	7429-90-5	113.824	7.23	7.23	72322	72322	
encapsulation	organic material	carbon black	1333-86-4	8.764	0.56		5568		
	plastics	epoxy resin	-	96.402	6.13		61252		
	inorganic material	silicondioxide	60676-86-0	479.088	30.44	37.13	304404	371224	
leadfinish	non noble metal	tin	7440-31-5	9.657	0.61	0.61	6136	6136	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145	
solder	noble metal	silver	7440-22-4	0.151	0.01		96		
	non noble metal	tin	7440-31-5	0.121	0.01		77		
	non noble metal	lead	7439-92-1	5.776	0.37	0.39	3670	3843	
heatspreader	non noble metal	iron	7439-89-6	0.548	0.03		348		
	inorganic material	phosphorus	7723-14-0	0.165	0.01		105		
	non noble metal	copper	7440-50-8	547.666	34.79	34.83	347976	348430	
*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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