



Material Content Data Sheet



Sales Product Name				IPB048N15N5LF		Issued		25. January 2018	
MA#				MA001613176					
Package				PG-TO263-3-2		Weight*		1563.31 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	7.046	0.45	0.45	4507	4507	
chip_2	inorganic material	silicon	7440-21-3	7.046	0.45	0.45	4507	4507	
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58		
	non noble metal	iron	7439-89-6	0.304	0.02		195		
wire	non noble metal	copper	7440-50-8	304.026	19.45	19.48	194476	194729	
	noble metal	gold	7440-57-5	0.079	0.01		51		
encapsulation	non noble metal	aluminium	7429-90-5	9.901	0.63	0.64	6333	6384	
	organic material	carbon black	1333-86-4	10.047	0.64		6427		
	plastics	epoxy resin	-	110.514	7.07		70693		
leadfinish	inorganic material	silicondioxide	60676-86-0	549.223	35.13	42.84	351320	428440	
	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6177	6177	
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	0.122	0.01		78		
	noble metal	silver	7440-22-4	0.153	0.01		98		
	non noble metal	lead	7439-92-1	5.834	0.37	0.39	3732	3908	
glue	plastics	Polyimide	26023-21-2	0.656	0.04	0.04	420	420	
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	35.03	35.08	350325	350781	
*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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