



## Material Content Data Sheet



<b>Sales Product Name</b>				IPB020N10N5LF		<b>Issued</b>		19. January 2018	
<b>MA#</b>				MA001719104					
<b>Package</b>				PG-TO263-3-2		<b>Weight*</b>		1562.43 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	7.436	0.48	0.48	4759	4759	
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	19.46	19.49	194585	194838	
	noble metal	gold	7440-57-5	0.078	0.00		50		
encapsulation	non noble metal	aluminium	7429-90-5	9.962	0.64	0.64	6376	6426	
	organic material	carbon black	1333-86-4	10.141	0.65		6491		
	plastics	epoxy resin	-	111.556	7.14		71399		
leadfinish	inorganic material	silicondioxide	60676-86-0	554.401	35.47	43.26	354832	432722	
	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6181	6181	
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	
glue	plastics	Polyimide	26023-21-2	0.124	0.01	0.01	79	79	
solder	non noble metal	tin	7440-31-5	0.121	0.01		77		
	noble metal	silver	7440-22-4	0.151	0.01		97		
	non noble metal	lead	7439-92-1	5.776	0.37	0.39	3697	3871	
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	35.05	35.10	350521	350977	
*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