



Material Content Data Sheet



Sales Product Name		IPB048N15N5		Issued		19. July 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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com