



## Material Content Data Sheet



<b>Sales Product Name</b>		IPD110N12N3 G		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001281790						
<b>Package</b>		PG-TO252-3-313		<b>Weight*</b>		321.08 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	5.755	1.79	1.79	17924	17924
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	iron	7439-89-6	0.147	0.05		459	
	non noble metal	copper	7440-50-8	147.096	45.81	45.87	458124	458721
	non noble metal	aluminium	7429-90-5	4.014	1.25	1.25	12500	12500
wire	non noble metal	aluminium	7429-90-5	4.014	1.25	1.25	12500	12500
encapsulation	organic material	carbon black	1333-86-4	1.350	0.42		4204	
	plastics	epoxy resin	-	23.625	7.36		73578	
	inorganic material	silicondioxide	60676-86-0	110.024	34.27	42.05	342665	420447
leadfinish	non noble metal	tin	7440-31-5	3.740	1.16	1.16	11648	11648
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4424	4435
solder	non noble metal	tin	7440-31-5	0.093	0.03		290	
	noble metal	silver	7440-22-4	0.117	0.04		363	
	non noble metal	lead	7439-92-1	4.452	1.39	1.46	13867	14520
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	iron	7439-89-6	0.019	0.01		60	
	non noble metal	copper	7440-50-8	19.177	5.97	5.98	59727	59805
*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