



## Material Content Data Sheet



<b>Sales Product Name</b>		IPD122N10N3 G		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001662902						
<b>Package</b>		PG-TO252-3-313		<b>Weight*</b>		319.20 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	3.094	0.97	0.97	9692	9692
leadframe	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	iron	7439-89-6	0.147	0.05		461	
	non noble metal	copper	7440-50-8	147.096	46.09	46.15	460823	461422
	non noble metal	aluminium	7429-90-5	4.155	1.30	1.30	13015	13015
wire	non noble metal	aluminium	7429-90-5	4.155	1.30	1.30	13015	13015
encapsulation	organic material	carbon black	1333-86-4	1.374	0.43		4304	
	plastics	epoxy resin	-	24.042	7.53		75319	
	inorganic material	silicondioxide	60676-86-0	111.966	35.08	43.04	350769	430392
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11717	11717
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	4450	4461
solder	non noble metal	tin	7440-31-5	0.058	0.02		183	
	noble metal	silver	7440-22-4	0.073	0.02		229	
	non noble metal	lead	7439-92-1	2.787	0.87	0.91	8732	9144
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	6.01	6.02	60079	60157
*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.
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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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