



## Material Content Data Sheet



<b>Sales Product Name</b>				IPI320N20N3 G		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA000811772					
<b>Package</b>				PG-TO262-3-1		<b>Weight*</b>		1574.87 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	6.322	0.40	0.40	4014	4014	
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		162		
	non noble metal	iron	7439-89-6	0.851	0.05		540		
	non noble metal	copper	7440-50-8	849.682	53.96	54.03	539525	540227	
	non noble metal	aluminium	7429-90-5	6.467	0.41	0.41	4106	4106	
wire	non noble metal	aluminium	7429-90-5	6.467	0.41	0.41	4106	4106	
encapsulation	organic material	carbon black	1333-86-4	8.768	0.56		5568		
	plastics	epoxy resin	-	96.453	6.12		61245		
	inorganic material	silicondioxide	60676-86-0	479.343	30.44	37.12	304371	371184	
leadfinish	non noble metal	tin	7440-31-5	15.198	0.96	0.96	9650	9650	
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	145	146	
solder	non noble metal	tin	7440-31-5	0.099	0.01		63		
	noble metal	silver	7440-22-4	0.124	0.01		79		
	non noble metal	lead	7439-92-1	4.728	0.30	0.32	3002	3144	
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20		
	non noble metal	iron	7439-89-6	0.106	0.01		68		
	non noble metal	copper	7440-50-8	106.210	6.74	6.75	67441	67529	
*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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