



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA057N08N3 G		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA000836642						
<b>Package</b>		PG-TO220-3-111		<b>Weight*</b>		2251.38 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	4.423	0.20	0.20	1965	1965
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		305	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.48	30.52	304802	305199
wire	non noble metal	aluminium	7429-90-5	6.356	0.28	0.28	2823	2823
encapsulation	organic material	carbon black	1333-86-4	2.219	0.10		985	
	plastics	epoxy resin	-	208.690	9.27		92695	
	inorganic material	silicondioxide	60676-86-0	899.238	39.94	49.31	399416	493096
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3527	3527
plating	non noble metal	nickel	7440-02-0	0.305	0.01	0.01	135	136
	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
solder	non noble metal	antimony	7440-36-0	0.242	0.01		107	
	noble metal	silver	7440-22-4	0.604	0.03		268	
	non noble metal	tin	7440-31-5	1.570	0.07	0.11	697	1072
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		192	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.19	19.22	191932	192182
*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 does not use any exemption

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