



## Material Content Data Sheet



<b>Sales Product Name</b>		IPG20N06S4L-14		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA000840902						
<b>Package</b>		PG-TDSON-8-4		<b>Weight*</b>		99.11 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	2.690	2.71	2.71	27142	27142
leadframe	non noble metal	iron	7439-89-6	0.045	0.05		451	
	inorganic material	phosphorus	7723-14-0	0.013	0.01		135	
	non noble metal	copper	7440-50-8	44.654	45.05	45.11	450534	451120
wire	non noble metal	aluminium	7429-90-5	7.563	7.63	7.63	76302	76302
encapsulation	organic material	carbon black	1333-86-4	0.079	0.08		796	
	plastics	epoxy resin	-	5.603	5.65		56530	
	inorganic material	silicondioxide	60676-86-0	33.775	34.08	39.81	340772	398098
leadfinish	non noble metal	tin	7440-31-5	1.324	1.34	1.34	13358	13358
plating	non noble metal	nickel	7440-02-0	0.048	0.05		484	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.05	1	485
solder	noble metal	silver	7440-22-4	0.083	0.08		837	
	non noble metal	tin	7440-31-5	0.066	0.07		670	
	non noble metal	lead	7439-92-1	3.170	3.20	3.35	31988	33495
*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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