



## Material Content Data Sheet



<b>Sales Product Name</b>		IPG20N06S2L-50A		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001691094						
<b>Package</b>		PG-TDSON-8-10		<b>Weight*</b>		98.97 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	2.328	2.35	2.35	23521	23521
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		141	
	non noble metal	iron	7439-89-6	0.046	0.05		469	
	non noble metal	copper	7440-50-8	46.380	46.86	46.92	468656	469266
	non noble metal	aluminium	7429-90-5	0.742	0.75	0.75	7502	7502
wire	non noble metal	aluminium	7429-90-5	0.742	0.75	0.75	7502	7502
encapsulation	organic material	carbon black	1333-86-4	0.089	0.09		904	
	plastics	epoxy resin	-	6.349	6.42		64152	
	inorganic material	silicondioxide	60676-86-0	38.271	38.67	45.18	386717	451773
leadfinish	non noble metal	tin	7440-31-5	1.396	1.41	1.41	14110	14110
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		15	
	non noble metal	nickel	7440-02-0	0.603	0.61	0.61	6094	6109
solder	non noble metal	tin	7440-31-5	0.055	0.06		554	
	noble metal	silver	7440-22-4	0.069	0.07		693	
	non noble metal	lead	7439-92-1	2.620	2.65	2.78	26472	27719
*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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