



Material Content Data Sheet



Sales Product Name		IPG20N06S4L-11		Issued		22. January 2018		
MA#		MA000840898						
Package		PG-TDSON-8-4		Weight*		98.19 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	3.729	3.80	3.80	37984	37984
leadframe	non noble metal	iron	7439-89-6	0.045	0.05		455	
	inorganic material	phosphorus	7723-14-0	0.013	0.01		137	
	non noble metal	copper	7440-50-8	44.654	45.47	45.53	454788	455380
wire	non noble metal	aluminium	7429-90-5	0.598	0.61	0.61	6094	6094
encapsulation	organic material	carbon black	1333-86-4	0.087	0.09		887	
	plastics	epoxy resin	-	6.186	6.30		63008	
	inorganic material	silicondioxide	60676-86-0	37.293	37.98	44.37	379821	443716
leadfinish	non noble metal	tin	7440-31-5	1.308	1.33	1.33	13318	13318
plating	non noble metal	nickel	7440-02-0	0.048	0.05		489	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.05	1	490
solder	non noble metal	tin	7440-31-5	0.084	0.09		860	
	noble metal	silver	7440-22-4	0.106	0.11		1075	
	non noble metal	lead	7439-92-1	4.034	4.11	4.31	41083	43018
*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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