



Material Content Data Sheet



Sales Product Name		IPG20N06S4L-11		Issued		26. September 2017			
MA#		MA001038274							
Package		PG-TDSON-8-4		Weight*		98.23 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	37967	37967	
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	45.45	45.51	454590	455182	
wire	non noble metal	aluminium	7429-90-5	0.758	0.77	0.77	7719	7719	
encapsulation	organic material	carbon black	1333-86-4	0.087	0.09		885		
	plastics	epoxy resin	-	6.170	6.28		62811		
	inorganic material	silicondioxide	60676-86-0	37.193	37.86	44.23	378634	442330	
leadfinish	non noble metal	tin	7440-31-5	1.308	1.33	1.33	13312	13312	
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	41065	43000	
*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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