



Material Content Data Sheet



Sales Product Name		IPG20N06S4L-14		Issued		27. September 2017		
MA#		MA000990954						
Package		PG-TDSON-8-4		Weight*		99.05 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	2.72	2.72	27160	27160
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	45.07	45.13	450842	451428
wire	non noble metal	aluminium	7429-90-5	7.377	7.45	7.45	74477	74477
encapsulation	organic material	carbon black	1333-86-4	0.079	0.08		799	
	plastics	epoxy resin	-	5.622	5.68		56762	
	inorganic material	silicondioxide	60676-86-0	33.890	34.22	39.98	342170	399731
leadfinish	non noble metal	tin	7440-31-5	1.308	1.32	1.32	13202	13202
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		838	
	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	32009	33517
*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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