



Material Content Data Sheet



Sales Product Name		IPG20N06S4L-14A		Issued		27. September 2017		
MA#		MA001096388						
Package		PG-TDSON-8-10		Weight*		101.19 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	2.690	2.66	2.66	26586	26586
leadframe	non noble metal	iron	7439-89-6	0.046	0.05		459	
	inorganic material	phosphorus	7723-14-0	0.014	0.01		138	
	non noble metal	copper	7440-50-8	46.380	45.83	45.89	458364	458961
wire	non noble metal	aluminium	7429-90-5	7.241	7.16	7.16	71559	71559
encapsulation	organic material	carbon black	1333-86-4	0.079	0.08		781	
	plastics	epoxy resin	-	5.608	5.54		55424	
	inorganic material	silicondioxide	60676-86-0	33.807	33.41	39.03	334107	390312
leadfinish	non noble metal	tin	7440-31-5	1.396	1.38	1.38	13800	13800
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		14	
	non noble metal	nickel	7440-02-0	0.603	0.60	0.60	5960	5974
solder	noble metal	silver	7440-22-4	0.083	0.08		820	
	non noble metal	tin	7440-31-5	0.066	0.07		656	
	non noble metal	lead	7439-92-1	3.170	3.13	3.28	31332	32808
*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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