



Material Content Data Sheet



Sales Product Name		IPG20N10S4L-22		Issued		26. September 2017		
MA#		MA000940698						
Package		PG-TDSON-8-4		Weight*		97.53 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	3.184	3.26	3.26	32644	32644
leadframe	non noble metal	iron	7439-89-6	0.045	0.05		458	
	inorganic material	phosphorus	7723-14-0	0.013	0.01		138	
	non noble metal	copper	7440-50-8	44.654	45.79	45.85	457852	458448
wire	non noble metal	aluminium	7429-90-5	0.729	0.75	0.75	7470	7470
encapsulation	organic material	carbon black	1333-86-4	0.088	0.09		904	
	plastics	epoxy resin	-	6.257	6.42		64153	
	inorganic material	silicondioxide	60676-86-0	37.717	38.67	45.18	386725	451782
leadfinish	non noble metal	tin	7440-31-5	1.308	1.34	1.34	13408	13408
plating	non noble metal	nickel	7440-02-0	0.048	0.05		492	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.05	1	493
solder	noble metal	silver	7440-22-4	0.087	0.09		894	
	non noble metal	tin	7440-31-5	0.070	0.07		715	
	non noble metal	lead	7439-92-1	3.330	3.41	3.57	34146	35755
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com