



Material Content Data Sheet



Sales Product Name		IPG20N10S4L-35		Issued		25. September 2017			
MA#		MA000940700							
Package		PG-TDSON-8-4		Weight*		96.58 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	2.055	2.13	2.13	21278	21278	
leadframe	non noble metal	iron	7439-89-6	0.045	0.05		463		
	inorganic material	phosphorus	7723-14-0	0.013	0.01		139		
	non noble metal	copper	7440-50-8	44.654	46.24	46.30	462340	462942	
wire	non noble metal	aluminium	7429-90-5	0.795	0.82	0.82	8228	8228	
encapsulation	organic material	carbon black	1333-86-4	0.090	0.09		935		
	plastics	epoxy resin	-	6.409	6.64		66360		
	inorganic material	silicondioxide	60676-86-0	38.636	40.00	46.73	400031	467326	
leadfinish	non noble metal	tin	7440-31-5	1.308	1.35	1.35	13539	13539	
plating	non noble metal	nickel	7440-02-0	0.048	0.05		497		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.05	1	498	
solder	noble metal	silver	7440-22-4	0.063	0.07		655		
	non noble metal	tin	7440-31-5	0.051	0.05		524		
	non noble metal	lead	7439-92-1	2.415	2.50	2.62	25010	26189	
*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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