



Material Content Data Sheet



Sales Product Name		IPG20N10S4-36A		Issued		19. July 2018		
MA#		MA001103678						
Package		PG-TDSON-8-10		Weight*		98.75 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	2.08	2.08	20812	20812
leadframe	non noble metal	iron	7439-89-6	0.046	0.05		470	
	inorganic material	phosphorus	7723-14-0	0.014	0.01		141	
	non noble metal	copper	7440-50-8	46.380	46.98	47.04	469692	470303
wire	non noble metal	aluminium	7429-90-5	0.743	0.75	0.75	7528	7528
encapsulation	organic material	carbon black	1333-86-4	0.090	0.09		911	
	plastics	epoxy resin	-	6.387	6.47		64678	
	inorganic material	silicondioxide	60676-86-0	38.500	38.99	45.55	389891	455480
leadfinish	non noble metal	tin	7440-31-5	1.396	1.41	1.41	14141	14141
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		15	
	non noble metal	nickel	7440-02-0	0.603	0.61	0.61	6107	6122
solder	noble metal	silver	7440-22-4	0.063	0.06		640	
	non noble metal	tin	7440-31-5	0.051	0.05		512	
	non noble metal	lead	7439-92-1	2.415	2.45	2.56	24462	25614
*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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