



Material Content Data Sheet



Sales Product Name		IPG20N04S4L-08A		Issued		19. July 2018		
MA#		MA001305430						
Package		PG-TDSON-8-10		Weight*		99.10 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	2.474	2.50	2.50	24963	24963
leadframe	non noble metal	iron	7439-89-6	0.046	0.05		469	
	inorganic material	phosphorus	7723-14-0	0.014	0.01		141	
	non noble metal	copper	7440-50-8	46.380	46.80	46.86	468010	468620
wire	non noble metal	aluminium	7429-90-5	0.773	0.78	0.78	7800	7800
encapsulation	organic material	carbon black	1333-86-4	0.089	0.09		899	
	plastics	epoxy resin	-	6.325	6.38		63824	
	inorganic material	silicondioxide	60676-86-0	38.128	38.47	44.94	384739	449462
leadfinish	non noble metal	tin	7440-31-5	1.396	1.41	1.41	14091	14091
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	6086	6101
solder	noble metal	silver	7440-22-4	0.072	0.07		724	
	non noble metal	tin	7440-31-5	0.057	0.06		579	
	non noble metal	lead	7439-92-1	2.741	2.77	2.90	27660	28963
*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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