



Material Content Data Sheet



Sales Product Name		IPG20N10S4L-22A		Issued		2. August 2018		
MA#		MA001658110						
Package		PG-TDSON-8-10		Weight*		99.76 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	3.263	3.27	3.27	32711	32711
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		140	
	non noble metal	iron	7439-89-6	0.046	0.05		466	
	non noble metal	copper	7440-50-8	46.380	46.49	46.55	464912	465518
	non noble metal	aluminium	7429-90-5	0.724	0.73	0.73	7261	7261
wire	non noble metal	aluminium	7429-90-5	0.724	0.73	0.73	7261	7261
encapsulation	organic material	carbon black	1333-86-4	0.088	0.09		878	
	plastics	epoxy resin	-	6.219	6.23		62334	
	inorganic material	silicondioxide	60676-86-0	37.486	37.58	43.90	375760	438972
leadfinish	non noble metal	tin	7440-31-5	1.396	1.40	1.40	13998	13998
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	6045	6059
solder	non noble metal	tin	7440-31-5	0.071	0.07		710	
	noble metal	silver	7440-22-4	0.088	0.09		887	
	non noble metal	lead	7439-92-1	3.380	3.39	3.55	33884	35481
*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