



Material Content Data Sheet



Sales Product Name		IPG16N10S4L-61A		Issued		19. January 2018		
MA#		MA001103674						
Package		PG-TDSON-8-10		Weight*		98.14 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	1.337	1.36	1.36	13628	13628
leadframe	non noble metal	iron	7439-89-6	0.046	0.05		473	
	inorganic material	phosphorus	7723-14-0	0.014	0.01		142	
	non noble metal	copper	7440-50-8	46.380	47.28	47.34	472615	473230
wire	non noble metal	aluminium	7429-90-5	0.770	0.78	0.78	7847	7847
encapsulation	organic material	carbon black	1333-86-4	0.091	0.09		931	
	plastics	epoxy resin	-	6.485	6.61		66085	
	inorganic material	silicondioxide	60676-86-0	39.094	39.84	46.54	398372	465388
leadfinish	non noble metal	tin	7440-31-5	1.396	1.42	1.42	14229	14229
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	6145	6160
solder	noble metal	silver	7440-22-4	0.048	0.05		488	
	non noble metal	tin	7440-31-5	0.038	0.04		390	
	non noble metal	lead	7439-92-1	1.829	1.86	1.95	18640	19518
*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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