



Material Content Data Sheet



Sales Product Name		IPA180N10N3 G		Issued		20. July 2018		
MA#		MA001334420						
Package		PG-TO220-3-313		Weight*		2211.88 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	2.307	0.10	0.10	1043	1043
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		408	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	copper	7440-50-8	902.149	40.79	40.84	407865	408396
wire	non noble metal	aluminium	7429-90-5	3.305	0.15	0.15	1494	1494
encapsulation	organic material	carbon black	1333-86-4	2.308	0.10		1044	
	plastics	epoxy resin	-	215.716	9.75		97526	
	inorganic material	silicondioxide	60676-86-0	928.530	41.98	51.83	419792	518362
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3606	3606
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	758	758
solder	non noble metal	antimony	7440-36-0	0.167	0.01		76	
	noble metal	silver	7440-22-4	0.418	0.02		189	
	non noble metal	tin	7440-31-5	1.088	0.05	0.08	492	757
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.55	6.56	65498	65584
*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.
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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 does not use any exemption

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