



Material Content Data Sheet



Sales Product Name		IPA105N15N3 G		Issued		4. July 2019		
MA#		MA001334410						
Package		PG-TO220-3-313		Weight*		2201.26 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	10.752	0.49	0.49	4885	4885
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.98	41.03	409834	410367
	non noble metal	aluminium	7429-90-5	11.855	0.54	0.54	5385	5385
wire	non noble metal	aluminium	7429-90-5	11.855	0.54	0.54	5385	5385
encapsulation	organic material	carbon black	1333-86-4	2.332	0.11		1059	
	plastics	epoxy resin	-	210.810	9.58		95768	
	inorganic material	silicondioxide	60676-86-0	902.465	40.99	50.68	409978	506805
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3578	3578
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	752	752
solder	non noble metal	antimony	7440-36-0	0.512	0.02		233	
	noble metal	silver	7440-22-4	1.281	0.06		582	
	non noble metal	tin	7440-31-5	3.331	0.15	0.23	1513	2328
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.58	6.59	65814	65900
*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 does not use any exemption

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