



Material Content Data Sheet



Sales Product Name		IPA086N10N3 G		Issued		4. July 2019		
MA#		MA001334402						
Package		PG-TO220-3-313		Weight*		2206.62 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	4.609	0.21	0.21	2089	2089
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		409	
	non noble metal	copper	7440-50-8	902.149	40.88	40.93	408837	409369
	non noble metal	aluminium	7429-90-5	6.439	0.29	0.29	2918	2918
wire	non noble metal	aluminium	7429-90-5	6.439	0.29	0.29	2918	2918
encapsulation	organic material	carbon black	1333-86-4	2.302	0.10		1043	
	plastics	epoxy resin	-	213.723	9.69		96855	
	inorganic material	silicondioxide	60676-86-0	918.973	41.64	51.43	416462	514360
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3570	3570
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.266	0.01		120	
	noble metal	silver	7440-22-4	0.665	0.03		301	
	non noble metal	tin	7440-31-5	1.728	0.08	0.12	783	1204
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	6.57	6.58	65654	65740
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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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