



Material Content Data Sheet



Sales Product Name		IPA057N08N3 G		Issued		20. July 2018		
MA#		MA001333872						
Package		PG-TO220-3-313		Weight*		2209.78 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	4.423	0.20	0.20	2002	2002
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		409	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	copper	7440-50-8	902.149	40.83	40.88	408253	408785
wire	non noble metal	aluminium	7429-90-5	6.510	0.29	0.29	2946	2946
encapsulation	organic material	carbon black	1333-86-4	2.277	0.10		1030	
	plastics	epoxy resin	-	214.017	9.68		96850	
	inorganic material	silicondioxide	60676-86-0	922.095	41.73	51.51	417281	515161
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3609	3609
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759
solder	non noble metal	antimony	7440-36-0	0.242	0.01		109	
	noble metal	silver	7440-22-4	0.604	0.03		273	
	non noble metal	tin	7440-31-5	1.570	0.07	0.11	710	1092
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	6.56	6.57	65560	65646
*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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