



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPA057N08N3 G	Issued	24. June 2021
MA#	MA001333872		
Package	PG-TO220-3-313	Weight*	2208.46 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	4.425	0.20	0.20	2004	2004
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	40.85	40.90	408496	409028
wire	non noble metal	aluminium	7429-90-5	8.177	0.37	0.37	3703	3703
encapsulation	organic material	carbon black	1333-86-4	2.299	0.10		1041	
	plastics	epoxy resin	-	213.777	9.68		96799	
	inorganic material	silicon dioxide	60676-86-0	919.447	41.63	51.41	416329	514169
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750
solder	non noble metal	antimony	7440-36-0	0.242	0.01		109	
	noble metal	silver	7440-22-4	0.604	0.03		274	
	non noble metal	tin	7440-31-5	1.571	0.07	0.11	711	1094
heatspreader	inorganic material	phosphorus	7723-14-0	0.044			20	
	non noble metal	iron	7439-89-6	0.145	0.01		66	
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65599	65685
*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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