



Material Content Data Sheet



Sales Product Name		IPA60R120C7		Issued		1. August 2018		
MA#		MA002107970						
Package		PG-TO220-3-313		Weight*		2206.20 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	5.464	0.25	0.25	2477	2477
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	40.89	40.94	408915	409447
	non noble metal	aluminium	7429-90-5	2.980	0.14	0.14	1351	1351
wire	non noble metal	aluminium	7429-90-5	2.980	0.14	0.14	1351	1351
encapsulation	organic material	carbon black	1333-86-4	2.315	0.10		1049	
	plastics	epoxy resin	-	214.163	9.71		97073	
	inorganic material	silicondioxide	60676-86-0	920.359	41.71	51.52	417169	515291
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	751	751
solder	non noble metal	antimony	7440-36-0	0.300	0.01		136	
	noble metal	silver	7440-22-4	0.750	0.03		340	
	non noble metal	tin	7440-31-5	1.950	0.09	0.13	884	1360
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	65667	65753
*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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