



Material Content Data Sheet



Sales Product Name		IPA60R099P7		Issued		22. January 2018		
MA#		MA002055006						
Package		PG-TO220-3-313		Weight*		2237.19 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	7.092	0.32	0.32	3170	3170
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		121	
	non noble metal	iron	7439-89-6	0.903	0.04		404	
	non noble metal	copper	7440-50-8	902.149	40.33	40.38	403251	403776
	non noble metal	aluminium	7429-90-5	2.920	0.13	0.13	1305	1305
wire	non noble metal	aluminium	7429-90-5	2.920	0.13	0.13	1305	1305
encapsulation	organic material	carbon black	1333-86-4	2.377	0.11		1063	
	plastics	epoxy resin	-	219.637	9.82		98175	
	inorganic material	silicondioxide	60676-86-0	943.662	42.17	52.10	421806	521044
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3521	3521
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	740	740
solder	non noble metal	antimony	7440-36-0	0.359	0.02		160	
	noble metal	silver	7440-22-4	0.897	0.04		401	
	non noble metal	tin	7440-31-5	2.331	0.10	0.16	1042	1603
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		19	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.48	6.49	64757	64841
*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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