



Material Content Data Sheet



Sales Product Name		IPA60R060P7		Issued		24. January 2018		
MA#		MA002050890						
Package		PG-TO220-3-313		Weight*		2257.62 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	10.430	0.46	0.46	4620	4620
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		120	
	non noble metal	iron	7439-89-6	0.903	0.04		400	
	non noble metal	copper	7440-50-8	902.149	39.96	40.01	399602	400122
	non noble metal	aluminium	7429-90-5	5.700	0.25	0.25	2525	2525
wire	non noble metal	aluminium	7429-90-5	5.700	0.25	0.25	2525	2525
encapsulation	organic material	carbon black	1333-86-4	2.443	0.11		1082	
	plastics	epoxy resin	-	222.520	9.86		98564	
	inorganic material	silicondioxide	60676-86-0	953.816	42.25	52.22	422488	522134
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3489	3489
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	733	733
solder	non noble metal	antimony	7440-36-0	0.479	0.02		212	
	noble metal	silver	7440-22-4	1.199	0.05		531	
	non noble metal	tin	7440-31-5	3.117	0.14	0.21	1380	2123
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		19	
	non noble metal	iron	7439-89-6	0.145	0.01		64	
	non noble metal	copper	7440-50-8	144.874	6.42	6.43	64171	64254
*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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