



Material Content Data Sheet



Sales Product Name		IPA60R170CFD7		Issued		24. January 2018		
MA#		MA001721752						
Package		PG-TO220-3-313		Weight*		2227.46 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	4.363	0.20	0.20	1959	1959
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		406	
	non noble metal	copper	7440-50-8	902.149	40.50	40.55	405012	405540
	non noble metal	aluminium	7429-90-5	2.969	0.13	0.13	1333	1333
wire	non noble metal	aluminium	7429-90-5	2.969	0.13	0.13	1333	1333
encapsulation	organic material	carbon black	1333-86-4	2.347	0.11		1054	
	plastics	epoxy resin	-	218.312	9.80		98009	
	inorganic material	silicondioxide	60676-86-0	938.996	42.17	52.08	421555	520618
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3536	3536
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	743	743
solder	non noble metal	antimony	7440-36-0	0.255	0.01		115	
	noble metal	silver	7440-22-4	0.638	0.03		286	
	non noble metal	tin	7440-31-5	1.659	0.07	0.11	745	1146
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.50	6.51	65040	65125
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com