



Material Content Data Sheet



Sales Product Name		IPA60R060C7		Issued		1. August 2018		
MA#		MA002103708						
Package		PG-TO220-3-313		Weight*		2203.33 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	10.303	0.47	0.47	4676	4676
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
	non noble metal	copper	7440-50-8	902.149	40.94	40.99	409448	409981
	non noble metal	aluminium	7429-90-5	5.853	0.27	0.27	2657	2657
wire	non noble metal	aluminium	7429-90-5	5.853	0.27	0.27	2657	2657
encapsulation	organic material	carbon black	1333-86-4	2.330	0.11		1057	
	plastics	epoxy resin	-	212.272	9.63		96342	
	inorganic material	silicondioxide	60676-86-0	909.910	41.29	51.03	412970	510369
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3575	3575
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	752	752
solder	non noble metal	antimony	7440-36-0	0.474	0.02		215	
	noble metal	silver	7440-22-4	1.186	0.05		538	
	non noble metal	tin	7440-31-5	3.083	0.14	0.21	1399	2152
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	6.58	6.59	65752	65838
*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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