



Material Content Data Sheet



Sales Product Name		IPA60R165CP		Issued		4. July 2019		
MA#		MA001334342						
Package		PG-TO220-3-313		Weight*		2203.84 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	10.313	0.47	0.47	4680	4680
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	iron	7439-89-6	0.903	0.04		410	
wire	non noble metal	copper	7440-50-8	902.149	40.94	40.99	409354	409887
	non noble metal	aluminium	7429-90-5	3.005	0.14	0.14	1364	1364
encapsulation	organic material	carbon black	1333-86-4	2.333	0.11		1059	
	plastics	epoxy resin	-	212.865	9.66		96588	
leadfinish	inorganic material	silicondioxide	60676-86-0	912.662	41.40	51.17	414125	511772
	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3574	3574
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751
solder	non noble metal	antimony	7440-36-0	0.474	0.02		215	
	noble metal	silver	7440-22-4	1.185	0.05		537	
heatspreader	non noble metal	tin	7440-31-5	3.080	0.14	0.21	1397	2149
	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	65737	65823
*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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