



Material Content Data Sheet



Sales Product Name				IPA65R280C6		Issued		16. July 2019	
MA#				MA001371360					
Package				PG-TO220-3-313		Weight*		2206.17 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	6.035	0.27	0.27	2736	2736	
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123		
	non noble metal	iron	7439-89-6	0.903	0.04		409		
	non noble metal	copper	7440-50-8	902.149	40.89	40.94	408922	409454	
	non noble metal	aluminium	7429-90-5	2.970	0.13	0.13	1346	1346	
wire	non noble metal	aluminium	7429-90-5	2.970	0.13	0.13	1346	1346	
encapsulation	organic material	carbon black	1333-86-4	2.315	0.10		1049		
	plastics	epoxy resin	-	214.032	9.70		97015		
	inorganic material	silicondioxide	60676-86-0	919.688	41.70	51.50	416871	514935	
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3570	3570	
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	751	751	
solder	non noble metal	antimony	7440-36-0	0.321	0.01		145		
	noble metal	silver	7440-22-4	0.802	0.04		364		
	non noble metal	tin	7440-31-5	2.086	0.09	0.14	945	1454	
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	6.57	6.58	65668	65754	
*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.
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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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