



Material Content Data Sheet



Sales Product Name				IPA80R280P7		Issued		24. January 2018	
MA#				MA001456966					
Package				PG-TO220-3-313		Weight*		2210.77 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	5.042	0.22	0.22	2204	2204	
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		395		
	inorganic material	phosphorus	7723-14-0	0.271	0.01		118		
	non noble metal	copper	7440-50-8	902.149	39.43	39.48	394299	394812	
wire	non noble metal	aluminium	7429-90-5	2.890	0.13	0.13	1263	1263	
encapsulation	organic material	carbon black	1333-86-4	2.812	0.12		1229		
	plastics	epoxy resin	-	215.066	9.40		93998		
	inorganic material	silicondioxide	60676-86-0	1001.434	43.78	53.30	437694	532921	
leadfinish	non noble metal	tin	7440-31-5	7.877	0.34	0.34	3443	3443	
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	724	724	
solder	non noble metal	antimony	7440-36-0	0.282	0.01		123		
	noble metal	silver	7440-22-4	0.704	0.03		308		
	non noble metal	tin	7440-31-5	1.831	0.08	0.12	800	1231	
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		63		
	inorganic material	phosphorus	7723-14-0	0.044	0.00		19		
	non noble metal	copper	7440-50-8	144.874	6.33	6.34	63320	63402	
*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.
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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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