



Material Content Data Sheet



Sales Product Name		IPA65R225C7		Issued		25. January 2018		
MA#		MA001638532						
Package		PG-TO220-3-313		Weight*		2225.35 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	3.621	0.16	0.16	1627	1627
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		406	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	copper	7440-50-8	902.149	40.54	40.59	405397	405925
wire	non noble metal	aluminium	7429-90-5	2.888	0.13	0.13	1298	1298
encapsulation	organic material	carbon black	1333-86-4	2.342	0.11		1053	
	plastics	epoxy resin	-	218.094	9.80		98004	
	inorganic material	silicondioxide	60676-86-0	938.227	42.16	52.07	421609	520666
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3540	3540
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	744	744
solder	non noble metal	antimony	7440-36-0	0.226	0.01		101	
	noble metal	silver	7440-22-4	0.564	0.03		253	
	non noble metal	tin	7440-31-5	1.466	0.07	0.11	659	1013
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		65	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.51	6.52	65102	65187
*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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