



Material Content Data Sheet



Sales Product Name		IPA65R190C7		Issued		24. January 2018		
MA#		MA001638920						
Package		PG-TO220-3-313		Weight*		2227.29 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	4.186	0.19	0.19	1879	1879
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		406	
	non noble metal	copper	7440-50-8	902.149	40.50	40.55	405043	405571
	non noble metal	aluminium	7429-90-5	2.894	0.13	0.13	1299	1299
wire	non noble metal	aluminium	7429-90-5	2.894	0.13	0.13	1299	1299
encapsulation	organic material	carbon black	1333-86-4	2.348	0.11		1054	
	plastics	epoxy resin	-	218.345	9.80		98032	
	inorganic material	silicondioxide	60676-86-0	939.112	42.18	52.09	421639	520725
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3537	3537
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	743	743
solder	non noble metal	antimony	7440-36-0	0.249	0.01		112	
	noble metal	silver	7440-22-4	0.621	0.03		279	
	non noble metal	tin	7440-31-5	1.616	0.07	0.11	725	1116
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.50	6.51	65045	65130
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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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