



Material Content Data Sheet



Sales Product Name		IPA50R350CP		Issued		19. July 2018		
MA#		MA001334332						
Package		PG-TO220-3-313		Weight*		2211.98 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	5.444	0.25	0.25	2461	2461
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		408	
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123	
	non noble metal	copper	7440-50-8	902.149	40.78	40.83	407846	408377
wire	non noble metal	aluminium	7429-90-5	1.751	0.08	0.08	792	792
encapsulation	organic material	carbon black	1333-86-4	2.300	0.10		1040	
	plastics	epoxy resin	-	215.160	9.73		97270	
	inorganic material	silicondioxide	60676-86-0	926.316	41.88	51.71	418770	517080
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3606	3606
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	758	758
solder	non noble metal	antimony	7440-36-0	0.298	0.01		135	
	noble metal	silver	7440-22-4	0.744	0.03		336	
	non noble metal	tin	7440-31-5	1.934	0.09	0.13	874	1345
heatspreader	non noble metal	iron	7439-89-6	0.145	0.01		66	
	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	copper	7440-50-8	144.874	6.55	6.56	65495	65581
*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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