



Material Content Data Sheet



Sales Product Name				IPA50R520CP		Issued		27. September 2017	
MA#				MA001333488					
Package				PG-TO220-3-313		Weight*		2208.98 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	3.934	0.18	0.18	1781	1781	
leadframe	non noble metal	iron	7439-89-6	0.903	0.04		409		
	inorganic material	phosphorus	7723-14-0	0.271	0.01		123		
	non noble metal	copper	7440-50-8	902.149	40.84	40.89	408401	408933	
wire	non noble metal	aluminium	7429-90-5	0.795	0.04	0.04	360	360	
encapsulation	organic material	carbon black	1333-86-4	2.314	0.10		1048		
	plastics	epoxy resin	-	215.324	9.75		97477		
	inorganic material	silicondioxide	60676-86-0	926.194	41.92	51.77	419285	517810	
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3610	3610	
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759	
solder	non noble metal	antimony	7440-36-0	0.238	0.01		108		
	noble metal	silver	7440-22-4	0.595	0.03		269		
	non noble metal	tin	7440-31-5	1.546	0.07	0.11	700	1077	
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	6.56	6.57	65584	65670	
*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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