



Material Content Data Sheet



Sales Product Name				IPA90R1K0C3		Issued		25. September 2017	
MA#				MA001371300					
Package				PG-TO220-3-313		Weight*		2209.50 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	5.558	0.25	0.25	2515	2515	
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	40.83	40.88	408304	408836	
wire	non noble metal	aluminium	7429-90-5	1.756	0.08	0.08	795	795	
encapsulation	organic material	carbon black	1333-86-4	2.320	0.10		1050		
	plastics	epoxy resin	-	214.933	9.73		97277		
	inorganic material	silicondioxide	60676-86-0	923.878	41.82	51.65	418138	516465	
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	0.302	0.01		137		
	noble metal	silver	7440-22-4	0.754	0.03		341		
	non noble metal	tin	7440-31-5	1.961	0.09	0.13	887	1365	
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	65569	65655	
*deviation	< 10%					Sum in total:	100.00	1000000	

Important Remarks:

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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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