



Material Content Data Sheet



Sales Product Name				IPA60R180C7		Issued		27. September 2017	
MA#				MA001411952					
Package				PG-TO220-3-313		Weight*		2211.06 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	3.951	0.18	0.18	1787	1787	
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	40.80	40.85	408016	408548	
wire	non noble metal	aluminium	7429-90-5	2.864	0.13	0.13	1295	1295	
encapsulation	organic material	carbon black	1333-86-4	2.314	0.10		1047		
	plastics	epoxy resin	-	215.321	9.74		97384		
	inorganic material	silicondioxide	60676-86-0	926.184	41.89	51.73	418887	517318	
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3607	3607	
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	758	758	
solder	non noble metal	antimony	7440-36-0	0.238	0.01		108		
	noble metal	silver	7440-22-4	0.596	0.03		270		
	non noble metal	tin	7440-31-5	1.550	0.07	0.11	701	1079	
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	65522	65608	
*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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