



Material Content Data Sheet



Sales Product Name				IPA60R380C6		Issued		24. January 2018	
MA#				MA001425196					
Package				PG-TO220-3-313		Weight*		2210.63 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	4.522	0.20	0.20	2046	2046	
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	40.81	40.86	408096	408628	
wire	non noble metal	aluminium	7429-90-5	0.772	0.03	0.03	349	349	
encapsulation	organic material	carbon black	1333-86-4	2.302	0.10		1041		
	plastics	epoxy resin	-	215.331	9.74		97407		
	inorganic material	silicondioxide	60676-86-0	927.054	41.95	51.79	419363	517811	
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3608	3608	
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	758	758	
solder	non noble metal	antimony	7440-36-0	0.261	0.01		118		
	noble metal	silver	7440-22-4	0.652	0.03		295		
	non noble metal	tin	7440-31-5	1.694	0.08	0.12	766	1179	
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	65535	65621	
*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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