



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA60R380C6		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001425196					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		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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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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