



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R280C6		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001371346						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2210.69 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	5.826	0.26	0.26	2635	2635
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	408085	408617
wire	non noble metal	aluminium	7429-90-5	2.933	0.13	0.13	1327	1327
encapsulation	organic material	carbon black	1333-86-4	2.320	0.10		1049	
	plastics	epoxy resin	-	214.876	9.72		97199	
	inorganic material	silicondioxide	60676-86-0	923.576	41.79	51.61	417778	516026
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	0.312	0.01		141	
	noble metal	silver	7440-22-4	0.779	0.04		352	
	non noble metal	tin	7440-31-5	2.025	0.09	0.14	916	1409
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	65534	65620
*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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