



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R160C6		<b>Issued</b>		27. September 2017			
<b>MA#</b>		MA001486276							
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2108.30 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	9.747	0.46	0.46	4623	4623	
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		570		
	inorganic material	phosphorus	7723-14-0	0.361	0.02		171		
	non noble metal	copper	7440-50-8	1200.685	56.95	57.03	569506	570247	
wire	non noble metal	aluminium	7429-90-5	29.713	1.41	1.41	14093	14093	
encapsulation	organic material	carbon black	1333-86-4	8.541	0.41		4051		
	plastics	epoxy resin	-	136.664	6.48		64822		
	inorganic material	silicondioxide	60676-86-0	708.942	33.63	40.52	336263	405136	
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3742	3742	
solder	non noble metal	antimony	7440-36-0	0.455	0.02		216		
	noble metal	silver	7440-22-4	1.138	0.05		540		
	non noble metal	tin	7440-31-5	2.959	0.14	0.21	1403	2159	
*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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