



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R160C6		<b>Issued</b>		2. June 2015		
<b>MA#</b>		MA001371730						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2208.32 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	0.44	0.44	4414	4414
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	40.85	40.90	408522	409054
wire	non noble metal	aluminium	7429-90-5	2.927	0.13	0.13	1325	1325
encapsulation	organic material	carbon black	1333-86-4	2.343	0.11		1061	
	plastics	epoxy resin	-	213.837	9.68		96832	
	inorganic material	silicondioxide	60676-86-0	916.883	41.53	51.32	415194	513087
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3612	3612
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759
solder	non noble metal	antimony	7440-36-0	0.455	0.02		206	
	noble metal	silver	7440-22-4	1.136	0.05		515	
	non noble metal	tin	7440-31-5	2.955	0.13	0.20	1338	2059
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	6.56	6.57	65604	65690
*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 2011/65/EU (RoHS) and does not use any exemption.

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