



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R400CE		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001281872						
<b>Package</b>		PG-TO220-3-312		<b>Weight*</b>		2052.59 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	0.22	0.22	2203	2203
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		139	
	non noble metal	iron	7439-89-6	0.949	0.05		462	
wire	non noble metal	copper	7440-50-8	947.445	46.17	46.23	461584	462185
	non noble metal	aluminium	7429-90-5	0.811	0.04	0.04	395	395
encapsulation	organic material	carbon black	1333-86-4	12.935	0.63		6302	
	plastics	epoxy resin	-	175.934	8.57		85713	
leadfinish	inorganic material	silicondioxide	60676-86-0	896.008	43.65	52.85	436526	528541
	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5405	5405
solder	non noble metal	antimony	7440-36-0	0.261	0.01		127	
	noble metal	silver	7440-22-4	0.652	0.03		318	
*deviation	non noble metal	tin	7440-31-5	1.696	0.08	0.12	826	1271
	< 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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