



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R520C6		<b>Issued</b>		31. July 2018		
<b>MA#</b>		MA001479158						
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2105.59 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	3.425	0.16	0.16	1627	1627
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1200.685	57.01	57.09	570237	570979
	non noble metal	aluminium	7429-90-5	0.795	0.04	0.04	378	378
wire	non noble metal	aluminium	7429-90-5	0.795	0.04	0.04	378	378
encapsulation	organic material	carbon black	1333-86-4	8.873	0.42		4214	
	plastics	epoxy resin	-	142.472	6.77		67664	
	inorganic material	silicondioxide	60676-86-0	737.737	35.04	42.23	350370	422248
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3747	3747
solder	non noble metal	antimony	7440-36-0	0.215	0.01		102	
	noble metal	silver	7440-22-4	0.538	0.03		255	
	non noble metal	tin	7440-31-5	1.399	0.07	0.11	664	1021
*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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