



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA65R225C7		<b>Issued</b>		7. July 2015		
<b>MA#</b>		MA001374580						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2210.78 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	3.621	0.16	0.16	1638	1638
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	408069	408601
wire	non noble metal	aluminium	7429-90-5	2.704	0.12	0.12	1223	1223
encapsulation	organic material	carbon black	1333-86-4	2.315	0.10		1047	
	plastics	epoxy resin	-	215.383	9.74		97424	
	inorganic material	silicondioxide	60676-86-0	926.459	41.91	51.75	419064	517535
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	0.226	0.01		102	
	noble metal	silver	7440-22-4	0.564	0.03		255	
	non noble metal	tin	7440-31-5	1.466	0.07	0.11	663	1020
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	65531	65617
*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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