



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA65R065C7		<b>Issued</b>		15. June 2015		
<b>MA#</b>		MA001374674						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2209.46 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	10.944	0.50	0.50	4953	4953
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	40.83	40.88	408312	408844
wire	non noble metal	aluminium	7429-90-5	5.704	0.26	0.26	2582	2582
encapsulation	organic material	carbon black	1333-86-4	2.358	0.11		1067	
	plastics	epoxy resin	-	213.445	9.66		96605	
	inorganic material	silicondioxide	60676-86-0	913.984	41.35	51.12	413668	511340
leadfinish	non noble metal	tin	7440-31-5	7.975	0.36	0.36	3610	3610
plating	non noble metal	nickel	7440-02-0	1.676	0.08	0.08	759	759
solder	non noble metal	antimony	7440-36-0	0.498	0.02		226	
	noble metal	silver	7440-22-4	1.246	0.06		564	
	non noble metal	tin	7440-31-5	3.239	0.15	0.23	1466	2256
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	65570	65656
*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.

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