



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA65R099C6		<b>Issued</b>		26. September 2017		
<b>MA#</b>		MA001031248						
<b>Package</b>		PG-TO220-3-111		<b>Weight*</b>		2269.45 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	15.501	0.68	0.68	6830	6830
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		303	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		91	
	non noble metal	copper	7440-50-8	686.221	30.24	30.28	302374	302768
wire	non noble metal	aluminium	7429-90-5	26.331	1.16	1.16	11602	11602
encapsulation	organic material	carbon black	1333-86-4	2.209	0.10		973	
	plastics	epoxy resin	-	205.748	9.07		90660	
	inorganic material	silicondioxide	60676-86-0	885.147	38.99	48.16	390027	481661
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3499	3499
plating	non noble metal	nickel	7440-02-0	0.305	0.01		134	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	134
solder	non noble metal	antimony	7440-36-0	0.648	0.03		285	
	noble metal	silver	7440-22-4	1.619	0.07		714	
	non noble metal	tin	7440-31-5	4.210	0.19	0.29	1855	2854
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		191	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		57	
	non noble metal	copper	7440-50-8	432.110	19.04	19.07	190404	190652
*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 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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