



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA60R099C6		<b>Issued</b>		10. August 2016		
<b>MA#</b>		MA000969482						
<b>Package</b>		PG-TO220-3-111		<b>Weight*</b>		2245.73 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	0.69	0.69	6902	6902
leadframe	non noble metal	iron	7439-89-6	0.687	0.03		306	
	inorganic material	phosphorus	7723-14-0	0.206	0.01		92	
	non noble metal	copper	7440-50-8	686.221	30.56	30.60	305568	305966
wire	non noble metal	aluminium	7429-90-5	2.611	0.12	0.12	1162	1162
encapsulation	organic material	carbon black	1333-86-4	2.209	0.10		984	
	plastics	epoxy resin	-	205.748	9.16		91618	
	inorganic material	silicondioxide	60676-86-0	885.147	39.41	48.67	394146	486749
leadfinish	non noble metal	tin	7440-31-5	7.942	0.35	0.35	3536	3536
plating	non noble metal	nickel	7440-02-0	0.305	0.01		136	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	136
solder	non noble metal	antimony	7440-36-0	0.648	0.03		288	
	noble metal	silver	7440-22-4	1.619	0.07		721	
	non noble metal	tin	7440-31-5	4.210	0.19	0.29	1875	2884
heatspreader	non noble metal	iron	7439-89-6	0.433	0.02		193	
	inorganic material	phosphorus	7723-14-0	0.130	0.01		58	
	non noble metal	copper	7440-50-8	432.110	19.24	19.27	192414	192665
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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