



## Material Content Data Sheet



<b>Sales Product Name</b>		IPB60R199CPA		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA000714178						
<b>Package</b>		PG-TO263-3-2		<b>Weight*</b>		1560.62 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	7.007	0.45	0.45	4490	4490
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	copper	7440-50-8	304.026	19.48	19.51	194811	195065
wire	non noble metal	aluminium	7429-90-5	2.872	0.18	0.18	1840	1840
encapsulation	organic material	carbon black	1333-86-4	10.248	0.66		6566	
	plastics	epoxy resin	-	112.723	7.22		72230	
	inorganic material	silicondioxide	60676-86-0	560.199	35.89	43.77	358959	437756
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6188	6188
plating	non noble metal	nickel	7440-02-0	0.228	0.01		146	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	146
solder	noble metal	silver	7440-22-4	0.122	0.01		78	
	non noble metal	tin	7440-31-5	0.098	0.01		63	
	non noble metal	lead	7439-92-1	4.666	0.30	0.32	2990	3131
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		351	
	non noble metal	copper	7440-50-8	547.666	35.09	35.14	350928	351384
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com