



## Material Content Data Sheet



<b>Sales Product Name</b>		IPB50R199CP		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA000904226						
<b>Package</b>		PG-TO263-3-2		<b>Weight*</b>		1561.80 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	8.809	0.56	0.56	5640	5640
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195	
	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	copper	7440-50-8	304.026	19.47	19.50	194664	194917
wire	non noble metal	aluminium	7429-90-5	2.821	0.18	0.18	1806	1806
encapsulation	organic material	carbon black	1333-86-4	10.223	0.65		6546	
	plastics	epoxy resin	-	112.454	7.20		72003	
	inorganic material	silicondioxide	60676-86-0	558.861	35.78	43.63	357830	436380
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6183	6183
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	0.149	0.01		95	
	non noble metal	tin	7440-31-5	0.119	0.01		76	
	non noble metal	lead	7439-92-1	5.682	0.36	0.38	3638	3809
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	35.07	35.12	350663	351119
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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.

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