



Material Content Data Sheet



Sales Product Name		IPB50R250CP		Issued		29. August 2013		
MA#		MA000904468						
Package		PG-TO263-3-2		Weight*		1560.83 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	7.183	0.46	0.46	4602	4602
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	194785	195039
wire	non noble metal	aluminium	7429-90-5	2.594	0.17	0.17	1662	1662
encapsulation	organic material	carbon black	1333-86-4	10.248	0.66		6566	
	plastics	epoxy resin	-	112.733	7.22		72226	
	inorganic material	silicondioxide	60676-86-0	560.246	35.88	43.76	358941	437734
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6187	6187
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	0.128	0.01		82	
	non noble metal	tin	7440-31-5	0.103	0.01		66	
	non noble metal	lead	7439-92-1	4.908	0.31	0.33	3145	3293
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	350881	351337
*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