



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA50R500CE		<b>Issued</b>		25. September 2017			
<b>MA#</b>		MA001223626							
<b>Package</b>		PG-TO220-3-312		<b>Weight*</b>		2056.50 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	2.939	0.14	0.14	1429	1429	
leadframe	non noble metal	iron	7439-89-6	0.949	0.05		461		
	inorganic material	phosphorus	7723-14-0	0.285	0.01		138		
	non noble metal	copper	7440-50-8	947.445	46.08	46.14	460708	461307	
wire	non noble metal	aluminium	7429-90-5	8.095	0.39	0.39	3936	3936	
encapsulation	organic material	carbon black	1333-86-4	10.836	0.53		5269		
	plastics	epoxy resin	-	173.378	8.43		84307		
	inorganic material	silicondioxide	60676-86-0	899.399	43.73	52.69	437344	526920	
leadfinish	non noble metal	tin	7440-31-5	11.234	0.55	0.55	5462	5462	
solder	non noble metal	antimony	7440-36-0	0.194	0.01		95		
	noble metal	silver	7440-22-4	0.486	0.02		236		
	non noble metal	tin	7440-31-5	1.264	0.06	0.09	615	946	
*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