



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA50R140CP		<b>Issued</b>		27. September 2017			
<b>MA#</b>		MA001507240							
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2108.93 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	11.898	0.56	0.56	5642	5642	
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		570		
	inorganic material	phosphorus	7723-14-0	0.361	0.02		171		
	non noble metal	copper	7440-50-8	1200.685	56.95	57.03	569334	570075	
wire	non noble metal	aluminium	7429-90-5	29.701	1.41	1.41	14084	14084	
encapsulation	organic material	carbon black	1333-86-4	8.519	0.40		4040		
	plastics	epoxy resin	-	136.311	6.46		64635		
	inorganic material	silicondioxide	60676-86-0	707.113	33.53	40.39	335295	403970	
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3741	3741	
solder	non noble metal	antimony	7440-36-0	0.525	0.02		249		
	noble metal	silver	7440-22-4	1.312	0.06		622		
	non noble metal	tin	7440-31-5	3.410	0.16	0.24	1617	2488	
*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.
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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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