



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA80R1K4P7		<b>Issued</b>		22. January 2018			
<b>MA#</b>		MA001623206							
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2111.19 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	1.500	0.07	0.07	710	710	
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171		
	non noble metal	iron	7439-89-6	1.202	0.06		569		
	non noble metal	copper	7440-50-8	1200.685	56.86	56.94	568726	569466	
	non noble metal	aluminium	7429-90-5	0.767	0.04	0.04	363	363	
wire	non noble metal	aluminium	7429-90-5	0.767	0.04	0.04	363	363	
encapsulation	organic material	carbon black	1333-86-4	8.960	0.42		4244		
	plastics	epoxy resin	-	143.776	6.81		68102		
	inorganic material	silicondioxide	60676-86-0	744.766	35.28	42.51	352772	425118	
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3737	3737	
solder	non noble metal	antimony	7440-36-0	0.128	0.01		61		
	noble metal	silver	7440-22-4	0.320	0.02		151		
	non noble metal	tin	7440-31-5	0.831	0.04	0.07	394	606	
*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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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.

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