



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA80R1K4P7		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001790386						
<b>Package</b>		PG-TO220-3-317		<b>Weight*</b>		2105.02 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	712	712
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		171	
	non noble metal	iron	7439-89-6	1.202	0.06		571	
	non noble metal	copper	7440-50-8	1200.685	57.03	57.11	570392	571134
	non noble metal	aluminium	7429-90-5	0.767	0.04	0.04	364	364
wire	non noble metal	aluminium	7429-90-5	0.767	0.04	0.04	364	364
encapsulation	organic material	carbon black	1333-86-4	8.899	0.42		4227	
	plastics	epoxy resin	-	142.789	6.78		67833	
	inorganic material	silicondioxide	60676-86-0	739.647	35.14	42.34	351374	423434
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3748	3748
solder	non noble metal	antimony	7440-36-0	0.128	0.01		61	
	noble metal	silver	7440-22-4	0.320	0.02		152	
	non noble metal	tin	7440-31-5	0.831	0.04	0.07	395	608
*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

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