



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA80R1K0CE		<b>Issued</b>		22. January 2018			
<b>MA#</b>		MA001622390							
<b>Package</b>		PG-TO220-3-312		<b>Weight*</b>		2057.16 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	4.945	0.24	0.24	2404	2404	
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		138		
	non noble metal	iron	7439-89-6	0.949	0.05		461		
	non noble metal	copper	7440-50-8	947.445	46.06	46.12	460560	461159	
	non noble metal	aluminium	7429-90-5	0.824	0.04	0.04	401	401	
wire	non noble metal	aluminium	7429-90-5	0.824	0.04	0.04	401	401	
encapsulation	organic material	carbon black	1333-86-4	10.888	0.53		5293		
	plastics	epoxy resin	-	174.213	8.47		84686		
	inorganic material	silicondioxide	60676-86-0	903.729	43.93	52.93	439310	529289	
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5393	5393	
solder	non noble metal	antimony	7440-36-0	0.279	0.01		135		
	noble metal	silver	7440-22-4	0.697	0.03		339		
	non noble metal	tin	7440-31-5	1.811	0.09	0.13	880	1354	
*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.

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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