



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA80R1K0CE		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA001622390						
<b>Package</b>		PG-TO220-3-312		<b>Weight*</b>		2051.51 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	2410	2410
leadframe	inorganic material	phosphorus	7723-14-0	0.285	0.01		139	
	non noble metal	iron	7439-89-6	0.949	0.05		462	
	non noble metal	copper	7440-50-8	947.445	46.19	46.25	461827	462428
	non noble metal	aluminium	7429-90-5	0.824	0.04	0.04	402	402
wire	non noble metal	aluminium	7429-90-5	0.824	0.04	0.04	402	402
encapsulation	organic material	carbon black	1333-86-4	13.501	0.66		6581	
	plastics	epoxy resin	-	176.321	8.59		85947	
	inorganic material	silicondioxide	60676-86-0	893.363	43.55	52.80	435465	527993
leadfinish	non noble metal	tin	7440-31-5	11.095	0.54	0.54	5408	5408
solder	non noble metal	antimony	7440-36-0	0.279	0.01		136	
	noble metal	silver	7440-22-4	0.697	0.03		340	
	non noble metal	tin	7440-31-5	1.811	0.09	0.13	883	1359
*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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