



Material Content Data Sheet



Sales Product Name		IPA80R1K0CE		Issued		27. September 2017			
MA#		MA001354010							
Package		PG-TO220-3-312		Weight*		2057.23 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	non noble metal	iron	7439-89-6	0.949	0.05		461		
	inorganic material	phosphorus	7723-14-0	0.285	0.01		138		
	non noble metal	copper	7440-50-8	947.445	46.05	46.11	460544	461143	
wire	non noble metal	aluminium	7429-90-5	8.241	0.40	0.40	4006	4006	
encapsulation	organic material	carbon black	1333-86-4	10.813	0.53		5256		
	plastics	epoxy resin	-	173.015	8.41		84101		
	inorganic material	silicondioxide	60676-86-0	897.517	43.63	52.57	436275	525632	
leadfinish	non noble metal	tin	7440-31-5	11.234	0.55	0.55	5461	5461	
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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