



Material Content Data Sheet



Sales Product Name		IPA60R299CP		Issued		27. September 2017			
MA#		MA001507244							
Package		PG-TO220-3-317		Weight*		2107.31 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	6.215	0.29	0.29	2949	2949	
leadframe	non noble metal	iron	7439-89-6	1.202	0.06		571		
	inorganic material	phosphorus	7723-14-0	0.361	0.02		171		
	non noble metal	copper	7440-50-8	1200.685	56.98	57.06	569772	570514	
wire	non noble metal	aluminium	7429-90-5	15.155	0.72	0.72	7192	7192	
encapsulation	organic material	carbon black	1333-86-4	8.725	0.41		4140		
	plastics	epoxy resin	-	139.602	6.62		66247		
	inorganic material	silicondioxide	60676-86-0	724.187	34.37	41.40	343655	414042	
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3744	3744	
solder	non noble metal	antimony	7440-36-0	0.328	0.02		156		
	noble metal	silver	7440-22-4	0.821	0.04		390		
	non noble metal	tin	7440-31-5	2.135	0.10	0.16	1013	1559	
*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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