



Material Content Data Sheet



Sales Product Name		IPA80R280P7		Issued		25. January 2018		
MA#		MA002107990						
Package		PG-TO220-3-317		Weight*		2125.87 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	5.042	0.24	0.24	2372	2372
leadframe	inorganic material	phosphorus	7723-14-0	0.361	0.02		170	
	non noble metal	iron	7439-89-6	1.202	0.06		566	
	non noble metal	copper	7440-50-8	1200.685	56.48	56.56	564796	565532
	non noble metal	aluminium	7429-90-5	2.943	0.14	0.14	1384	1384
wire	non noble metal	aluminium	7429-90-5	2.943	0.14	0.14	1384	1384
encapsulation	organic material	carbon black	1333-86-4	8.998	0.42		4232	
	plastics	epoxy resin	-	145.411	6.84		68400	
	inorganic material	silicondioxide	60676-86-0	750.524	35.30	42.56	353042	425674
leadfinish	non noble metal	tin	7440-31-5	7.889	0.37	0.37	3711	3711
solder	non noble metal	antimony	7440-36-0	0.282	0.01		133	
	noble metal	silver	7440-22-4	0.705	0.03		332	
	non noble metal	tin	7440-31-5	1.832	0.09	0.13	862	1327
*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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