



Material Content Data Sheet



Sales Product Name		IPA60R280P7		Issued		24. January 2018		
MA#		MA001976956						
Package		PG-TO220-3-313		Weight*		2220.08 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	3.030	0.14	0.14	1365	1365
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		407	
	non noble metal	copper	7440-50-8	902.149	40.64	40.69	406359	406888
	non noble metal	aluminium	7429-90-5	0.764	0.03	0.03	344	344
wire	non noble metal	aluminium	7429-90-5	0.764	0.03	0.03	344	344
encapsulation	organic material	carbon black	1333-86-4	2.331	0.10		1050	
	plastics	epoxy resin	-	217.589	9.80		98010	
	inorganic material	silicondioxide	60676-86-0	936.449	42.19	52.09	421809	520869
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3548	3548
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	746	746
solder	non noble metal	antimony	7440-36-0	0.199	0.01		90	
	noble metal	silver	7440-22-4	0.498	0.02		225	
	non noble metal	tin	7440-31-5	1.296	0.06	0.09	584	899
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20	
	non noble metal	iron	7439-89-6	0.145	0.01		65	
	non noble metal	copper	7440-50-8	144.874	6.53	6.54	65256	65341
*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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com