



## Material Content Data Sheet



<b>Sales Product Name</b>				IPA60R280P7		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA001976956					
<b>Package</b>				PG-TO220-3-313		<b>Weight*</b>		2208.08 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	1372	1372	
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		123		
	non noble metal	iron	7439-89-6	0.903	0.04		409		
	non noble metal	copper	7440-50-8	902.149	40.86	40.91	408568	409100	
	non noble metal	aluminium	7429-90-5	0.764	0.03	0.03	346	346	
wire	non noble metal	aluminium	7429-90-5	0.764	0.03	0.03	346	346	
encapsulation	organic material	carbon black	1333-86-4	2.305	0.10		1044		
	plastics	epoxy resin	-	215.313	9.75		97512		
	inorganic material	silicondioxide	60676-86-0	926.750	41.97	51.82	419709	518265	
leadfinish	non noble metal	tin	7440-31-5	7.877	0.36	0.36	3567	3567	
plating	non noble metal	nickel	7440-02-0	1.656	0.08	0.08	750	750	
solder	non noble metal	antimony	7440-36-0	0.199	0.01		90		
	noble metal	silver	7440-22-4	0.498	0.02		226		
	non noble metal	tin	7440-31-5	1.296	0.06	0.09	587	903	
heatspreader	inorganic material	phosphorus	7723-14-0	0.044	0.00		20		
	non noble metal	iron	7439-89-6	0.145	0.01		66		
	non noble metal	copper	7440-50-8	144.874	6.56	6.57	65611	65697	
*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