



## Material Content Data Sheet



<b>Sales Product Name</b>		IPA80R450P7		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA002059172						
<b>Package</b>		PG-TO220-3-313		<b>Weight*</b>		2223.92 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	3.428	0.15	0.15	1542	1542
leadframe	inorganic material	phosphorus	7723-14-0	0.271	0.01		122	
	non noble metal	iron	7439-89-6	0.903	0.04		406	
	non noble metal	copper	7440-50-8	902.149	40.57	40.62	405657	406185
	non noble metal	aluminium	7429-90-5	2.960	0.13	0.13	1331	1331
wire	organic material	carbon black	1333-86-4	2.336	0.10		1050	
encapsulation	plastics	epoxy resin	-	217.827	9.79		97947	
	inorganic material	silicondioxide	60676-86-0	937.284	42.18	52.07	421455	520452
leadfinish	non noble metal	tin	7440-31-5	7.877	0.35	0.35	3542	3542
plating	non noble metal	nickel	7440-02-0	1.656	0.07	0.07	745	745
solder	non noble metal	antimony	7440-36-0	0.217	0.01		97	
	noble metal	silver	7440-22-4	0.542	0.02		244	
heatspreader	non noble metal	tin	7440-31-5	1.408	0.06	0.09	633	974
	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	6.51	6.52	65144	65229
*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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