



## Material Content Data Sheet



<b>Sales Product Name</b>		IPAN80R450P7		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001657728						
<b>Package</b>		PG-TO220-3-318		<b>Weight*</b>		2132.57 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	0.16	0.16	1608	1608
leadframe	non noble metal	iron	7439-89-6	1.075	0.05		504	
	inorganic material	phosphorus	7723-14-0	0.322	0.02		151	
	non noble metal	copper	7440-50-8	1073.304	50.32	50.39	503288	503943
wire	non noble metal	aluminium	7429-90-5	0.782	0.04	0.04	367	367
encapsulation	organic material	carbon black	1333-86-4	5.203	0.24		2440	
	inorganic material	zink oxide	1314-13-2	73.139	3.43		34296	
	plastics	epoxy resin	-	98.989	4.64		46418	
	inorganic material	silicondioxide	60676-86-0	867.093	40.66	48.97	406595	489749
leadfinish	non noble metal	tin	7440-31-5	7.067	0.33	0.33	3314	3314
solder	non noble metal	antimony	7440-36-0	0.217	0.01		102	
	noble metal	silver	7440-22-4	0.542	0.03		254	
	non noble metal	tin	7440-31-5	1.408	0.07	0.11	660	1016
heatspreader	non noble metal	copper	7440-50-8	0.000	0.00		1	
	non noble metal	iron	7439-89-6	0.000	0.00		1	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.00	1	3
*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