



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW65R045C7		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001612468						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6052.63 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	15.501	0.26	0.26	2561	2561
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.74	8.75	87411	87525
wire	non noble metal	aluminium	7429-90-5	12.071	0.20	0.20	1994	1994
encapsulation	organic material	carbon black	1333-86-4	19.854	0.33		3280	
	plastics	epoxy resin	-	377.226	6.23		62324	
	inorganic material	silicondioxide	60676-86-0	1588.318	26.24	32.80	262418	328022
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802
solder	non noble metal	antimony	7440-36-0	0.648	0.01		107	
	noble metal	silver	7440-22-4	1.619	0.03		268	
	non noble metal	tin	7440-31-5	4.210	0.07	0.11	696	1071
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		569	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	copper	7440-50-8	3438.006	56.79	56.87	568019	568759
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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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