



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW65R019C7		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA001180210						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6077.83 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	35.362	0.58	0.58	5818	5818
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		87	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		26	
	non noble metal	copper	7440-50-8	529.068	8.70	8.71	87049	87162
wire	non noble metal	aluminium	7429-90-5	161.506	2.66	2.66	26573	26573
encapsulation	organic material	carbon black	1333-86-4	18.353	0.30		3020	
	plastics	epoxy resin	-	348.715	5.74		57375	
	inorganic material	silicondioxide	60676-86-0	1468.275	24.16	30.20	241579	301974
leadfinish	non noble metal	tin	7440-31-5	31.874	0.52	0.52	5244	5244
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4782	4782
solder	non noble metal	antimony	7440-36-0	1.244	0.02		205	
	noble metal	silver	7440-22-4	3.111	0.05		512	
	non noble metal	tin	7440-31-5	8.089	0.13	0.20	1331	2048
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		566	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.57	56.65	565663	566399
*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