



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW65R190C6		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001038994						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6049.07 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	9.451	0.16	0.16	1562	1562
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	8.75	8.76	87463	87577
wire	non noble metal	aluminium	7429-90-5	3.863	0.06	0.06	639	639
encapsulation	organic material	carbon black	1333-86-4	19.982	0.33		3303	
	plastics	epoxy resin	-	379.649	6.28		62762	
	inorganic material	silicondioxide	60676-86-0	1598.521	26.43	33.04	264259	330324
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5269	5269
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4805	4805
solder	non noble metal	antimony	7440-36-0	0.442	0.01		73	
	noble metal	silver	7440-22-4	1.106	0.02		183	
	non noble metal	tin	7440-31-5	2.875	0.05	0.08	475	731
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3438.006	56.81	56.89	568353	569093
*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