



## Material Content Data Sheet



<b>Sales Product Name</b>				IPW60R165CP		<b>Issued</b>		26. September 2017	
<b>MA#</b>				MA000841662					
<b>Package</b>				PG-TO247-3-44		<b>Weight*</b>		6054.75 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	10.313	0.17	0.17	1703	1703	
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	8.74	8.75	87381	87494	
wire	non noble metal	aluminium	7429-90-5	43.215	0.71	0.71	7137	7137	
encapsulation	organic material	carbon black	1333-86-4	19.625	0.32		3241		
	plastics	epoxy resin	-	372.884	6.16		61585		
	inorganic material	silicondioxide	60676-86-0	1570.036	25.93	32.41	259307	324133	
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5330	5330	
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4860	4860	
solder	non noble metal	antimony	7440-36-0	0.474	0.01		78		
	noble metal	silver	7440-22-4	1.185	0.02		196		
	non noble metal	tin	7440-31-5	3.080	0.05	0.08	509	783	
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	56.78	56.86	567820	568560	
*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.
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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

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