



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW60R180C7		<b>Issued</b>		14. August 2015		
<b>MA#</b>		MA001374174						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6051.65 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	3.951	0.07	0.07	653	653
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	87425	87539
wire	non noble metal	aluminium	7429-90-5	41.395	0.68	0.68	6840	6840
encapsulation	organic material	carbon black	1333-86-4	19.700	0.33		3255	
	plastics	epoxy resin	-	374.296	6.18		61850	
	inorganic material	silicondioxide	60676-86-0	1575.981	26.04	32.55	260422	325527
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5333	5333
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4863	4863
solder	non noble metal	antimony	7440-36-0	0.238	0.00		39	
	noble metal	silver	7440-22-4	0.596	0.01		99	
	non noble metal	tin	7440-31-5	1.550	0.03	0.04	256	394
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	56.81	56.89	568111	568851
*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 2011/65/EU (RoHS) and does not use any exemption.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com