



## Material Content Data Sheet



<b>Sales Product Name</b>		IPW60R180C7		<b>Issued</b>		11. April 2016		
<b>MA#</b>		MA001488234						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6050.97 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	87435	87549
wire	non noble metal	aluminium	7429-90-5	42.117	0.70	0.70	6960	6960
encapsulation	organic material	carbon black	1333-86-4	19.693	0.33		3255	
	plastics	epoxy resin	-	374.174	6.18		61837	
	inorganic material	silicondioxide	60676-86-0	1575.471	26.04	32.55	260366	325458
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5268	5268
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4803	4803
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	56.80	56.88	568175	568915
*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