



## Material Content Data Sheet



<b>Sales Product Name</b>				IPW60R160C6		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA000974344					
<b>Package</b>				PG-TO247-3-41		<b>Weight*</b>		6053.19 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	9.747	0.16	0.16	1610	1610	
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	87403	87517	
wire	non noble metal	aluminium	7429-90-5	38.408	0.63	0.63	6345	6345	
encapsulation	organic material	carbon black	1333-86-4	19.673	0.32		3250		
	plastics	epoxy resin	-	373.789	6.18		61751		
	inorganic material	silicondioxide	60676-86-0	1573.850	26.00	32.50	260003	325004	
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5266	5266	
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4802	4802	
solder	non noble metal	antimony	7440-36-0	0.455	0.01		75		
	noble metal	silver	7440-22-4	1.136	0.02		188		
	non noble metal	tin	7440-31-5	2.955	0.05	0.08	488	751	
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	56.79	56.87	567965	568705	
*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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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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