



## Material Content Data Sheet



<b>Sales Product Name</b>		SPW47N60C3		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001056742						
<b>Package</b>		PG-TO247-3-44		<b>Weight*</b>		6067.07 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	30.768	0.51	0.51	5071	5071
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	8.72	8.73	87203	87316
wire	non noble metal	aluminium	7429-90-5	83.858	1.38	1.38	13822	13822
encapsulation	organic material	carbon black	1333-86-4	19.082	0.31		3145	
	plastics	epoxy resin	-	362.550	5.98		59757	
	inorganic material	silicondioxide	60676-86-0	1526.528	25.16	31.45	251609	314511
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5254	5254
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4791	4791
solder	non noble metal	antimony	7440-36-0	1.111	0.02		183	
	noble metal	silver	7440-22-4	2.778	0.05		458	
	non noble metal	tin	7440-31-5	7.222	0.12	0.19	1190	1831
heatspreader	non noble metal	iron	7439-89-6	3.442	0.06		567	
	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	copper	7440-50-8	3438.006	56.65	56.73	566667	567404
*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 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