



Material Content Data Sheet



Sales Product Name		SPW47N60C3		Issued		26. September 2017		
MA#		MA001425156						
Package		PG-TO247-3-41		Weight*		6059.26 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	5078	5078
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	8.73	8.74	87316	87429
wire	non noble metal	aluminium	7429-90-5	9.458	0.16	0.16	1561	1561
encapsulation	organic material	carbon black	1333-86-4	19.740	0.33		3258	
	plastics	epoxy resin	-	375.058	6.19		61898	
	inorganic material	silicondioxide	60676-86-0	1579.191	26.06	32.58	260624	325780
leadfinish	non noble metal	tin	7440-31-5	32.273	0.53	0.53	5326	5326
plating	non noble metal	nickel	7440-02-0	29.428	0.49	0.49	4857	4857
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	1192	1833
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		170	
	non noble metal	iron	7439-89-6	3.442	0.06		568	
	non noble metal	copper	7440-50-8	3438.006	56.72	56.80	567398	568136
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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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

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