



## Material Content Data Sheet



<b>Sales Product Name</b>		SPW11N60C3		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA001080552						
<b>Package</b>		PG-TO247-3-21		<b>Weight*</b>		5995.50 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	7.017	0.12	0.12	1170	1170
leadframe	non noble metal	iron	7439-89-6	0.530	0.01		88	
	inorganic material	phosphorus	7723-14-0	0.159	0.00		27	
	non noble metal	copper	7440-50-8	529.068	8.82	8.83	88244	88359
wire	non noble metal	aluminium	7429-90-5	1.142	0.02	0.02	191	191
encapsulation	organic material	carbon black	1333-86-4	21.457	0.36		3579	
	inorganic material	antimonytrioxide	1309-64-4	44.864	0.75		7483	
	plastics	brominated resin	-	50.716	0.85		8459	
	plastics	epoxy resin	-	370.619	6.18		61816	
	inorganic material	silicondioxide	60676-86-0	1462.970	24.40	32.54	244012	325349
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5316	5316
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4848	4848
solder	non noble metal	antimony	7440-36-0	0.353	0.01		59	
	noble metal	silver	7440-22-4	0.883	0.01		147	
	non noble metal	tin	7440-31-5	2.296	0.04	0.06	383	589
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		172	
	non noble metal	iron	7439-89-6	3.442	0.06		574	
	non noble metal	copper	7440-50-8	3438.006	57.34	57.42	573432	574178
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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