



## Material Content Data Sheet



<b>Sales Product Name</b>		SPW32N50C3		<b>Issued</b>		1. August 2018		
<b>MA#</b>		MA000364900						
<b>Package</b>		PG-TO247-3-41		<b>Weight*</b>		6054.95 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	22.329	0.37	0.37	3688	3688
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	8.74	8.75	87378	87491
wire	non noble metal	aluminium	7429-90-5	8.612	0.14	0.14	1422	1422
encapsulation	organic material	carbon black	1333-86-4	19.823	0.33		3274	
	plastics	epoxy resin	-	376.644	6.22		62204	
	inorganic material	silicondioxide	60676-86-0	1585.869	26.19	32.74	261913	327391
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5264	5264
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4800	4800
solder	non noble metal	antimony	7440-36-0	0.849	0.01		140	
	noble metal	silver	7440-22-4	2.123	0.04		351	
	non noble metal	tin	7440-31-5	5.520	0.09	0.14	912	1403
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	56.77	56.85	567801	568541
*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