



## Material Content Data Sheet



<b>Sales Product Name</b>		SPI08N50C3		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA000916072						
<b>Package</b>		PG-TO262-3-1		<b>Weight*</b>		1568.92 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	4.883	0.31	0.31	3112	3112
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		542	
	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	copper	7440-50-8	849.682	54.17	54.24	541572	542278
wire	non noble metal	aluminium	7429-90-5	0.718	0.05	0.05	458	458
encapsulation	organic material	carbon black	1333-86-4	5.880	0.37		3748	
	plastics	epoxy resin	-	111.718	7.12		71207	
	inorganic material	silicondioxide	60676-86-0	470.390	29.98	37.47	299819	374774
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9687	9687
plating	non noble metal	nickel	7440-02-0	0.228	0.01		146	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	146
solder	non noble metal	antimony	7440-36-0	0.276	0.02		176	
	noble metal	silver	7440-22-4	0.691	0.04		440	
	non noble metal	tin	7440-31-5	1.796	0.11	0.17	1145	1761
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		68	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	copper	7440-50-8	106.210	6.77	6.78	67696	67784
*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