



## Material Content Data Sheet



<b>Sales Product Name</b>				SPD50N03S2-07 G		<b>Issued</b>		1. August 2018	
<b>MA#</b>				MA000446664					
<b>Package</b>				PG-TO252-3-311		<b>Weight*</b>		315.19 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	4.029	1.28	1.28	12782	12782	
leadframe	inorganic material	phosphorus	7723-14-0	0.043	0.01		136		
	non noble metal	iron	7439-89-6	0.143	0.05		455		
	non noble metal	copper	7440-50-8	143.098	45.39	45.45	454010	454601	
	non noble metal	aluminium	7429-90-5	2.047	0.65	0.65	6496	6496	
wire	inorganic material	antimonytrioxide	1309-64-4	1.954	0.62		6201		
encapsulation	plastics	brominated resin	-	2.094	0.66		6644		
	organic material	carbon black	1333-86-4	2.234	0.71		7087		
	plastics	epoxy resin	-	18.846	5.98		59792		
	inorganic material	silicondioxide	60676-86-0	114.470	36.32	44.29	363184	442908	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.19	1.19	11866	11866	
plating	inorganic material	phosphorus	7723-14-0	0.000	0.00		1		
	non noble metal	nickel	7440-02-0	0.086	0.03	0.03	274	275	
solder	non noble metal	tin	7440-31-5	0.064	0.02		203		
	noble metal	silver	7440-22-4	0.080	0.03		254		
	non noble metal	lead	7439-92-1	3.055	0.97	1.02	9691	10148	
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		18		
	non noble metal	iron	7439-89-6	0.019	0.01		61		
	non noble metal	copper	7440-50-8	19.177	6.08	6.09	60845	60924	
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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