



## Material Content Data Sheet



<b>Sales Product Name</b>		SPD07N20 G		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA000458954						
<b>Package</b>		PG-TO252-3-311		<b>Weight*</b>		314.65 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	3.214	1.02	1.02	10214	10214
leadframe	non noble metal	iron	7439-89-6	0.143	0.05		455	
	inorganic material	phosphorus	7723-14-0	0.043	0.01		137	
	non noble metal	copper	7440-50-8	143.098	45.47	45.53	454788	455380
wire	non noble metal	aluminium	7429-90-5	0.506	0.16	0.16	1607	1607
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.984	0.63		6305	
	plastics	brominated resin	-	2.125	0.68		6755	
	organic material	carbon black	1333-86-4	2.267	0.72		7205	
	plastics	epoxy resin	-	19.129	6.08		60794	
	inorganic material	silicondioxide	60676-86-0	116.188	36.93	45.04	369265	450324
leadfinish	non noble metal	tin	7440-31-5	3.740	1.19	1.19	11886	11886
plating	non noble metal	nickel	7440-02-0	0.086	0.03		275	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.03	1	276
solder	noble metal	silver	7440-22-4	0.073	0.02		232	
	non noble metal	tin	7440-31-5	0.058	0.02		186	
	non noble metal	lead	7439-92-1	2.790	0.89	0.93	8867	9285
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		61	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	copper	7440-50-8	19.177	6.09	6.10	60949	61028
*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.

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