



## Material Content Data Sheet



<b>Sales Product Name</b>				IPS090N03L G		<b>Issued</b>		25. September 2017	
<b>MA#</b>				MA000788536					
<b>Package</b>				PG-TO251-3-311		<b>Weight*</b>		333.81 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	0.720	0.22	0.22	2158	2158	
leadframe	inorganic material	phosphorus	7723-14-0	0.047	0.01		140		
	non noble metal	iron	7439-89-6	0.156	0.05		466		
	non noble metal	copper	7440-50-8	155.372	46.53	46.59	465452	466058	
	non noble metal	aluminium	7429-90-5	0.930	0.28	0.28	2787	2787	
wire	non noble metal	aluminium	7429-90-5	0.930	0.28	0.28	2787	2787	
encapsulation	organic material	carbon black	1333-86-4	0.331	0.10		991		
	plastics	epoxy resin	-	19.968	5.98		59820		
	inorganic material	silicondioxide	60676-86-0	130.065	38.96	45.04	389638	450449	
leadfinish	non noble metal	tin	7440-31-5	3.002	0.90	0.90	8992	8992	
plating	inorganic material	phosphorus	7723-14-0	0.004	0.00		11		
	non noble metal	nickel	7440-02-0	1.555	0.47	0.47	4657	4668	
solder	non noble metal	tin	7440-31-5	0.020	0.01		61		
	noble metal	silver	7440-22-4	0.025	0.01		76		
	non noble metal	lead	7439-92-1	0.971	0.29	0.31	2907	3044	
heatspreader	inorganic material	phosphorus	7723-14-0	0.006	0.00		19		
	non noble metal	iron	7439-89-6	0.021	0.01		62		
	non noble metal	copper	7440-50-8	20.617	6.18	6.19	61763	61844	
*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