



## Material Content Data Sheet



<b>Sales Product Name</b>		SPS04N60C3 E8177		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA000828884						
<b>Package</b>		PG-TO251-3-11		<b>Weight*</b>		386.05 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	3.279	0.85	0.85	8493	8493
leadframe	non noble metal	iron	7439-89-6	0.225	0.06		583	
	inorganic material	phosphorus	7723-14-0	0.068	0.02		175	
	non noble metal	copper	7440-50-8	224.739	58.20	58.28	582145	582903
wire	non noble metal	aluminium	7429-90-5	0.486	0.13	0.13	1258	1258
encapsulation	organic material	carbon black	1333-86-4	1.300	0.34		3367	
	plastics	epoxy resin	-	22.744	5.89		58914	
	inorganic material	silicondioxide	60676-86-0	105.923	27.44	33.67	274373	336654
leadfinish	non noble metal	tin	7440-31-5	3.597	0.93	0.93	9317	9317
plating	non noble metal	nickel	7440-02-0	0.090	0.02	0.02	233	234
	inorganic material	phosphorus	7723-14-0	0.000	0.00		1	
solder	noble metal	silver	7440-22-4	0.074	0.02		192	
	non noble metal	tin	7440-31-5	0.059	0.02		153	
	non noble metal	lead	7439-92-1	2.827	0.73	0.77	7323	7668
heatspreader	non noble metal	iron	7439-89-6	0.021	0.01		53	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		16	
	non noble metal	copper	7440-50-8	20.617	5.34	5.35	53404	53473
*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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