



## Material Content Data Sheet



<b>Sales Product Name</b>		SPD08P06P G		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA000451056						
<b>Package</b>		PG-TO252-3-311		<b>Weight*</b>		312.94 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	1.145	0.37	0.37	3658	3658
leadframe	non noble metal	iron	7439-89-6	0.143	0.05		458	
	inorganic material	phosphorus	7723-14-0	0.043	0.01		137	
	non noble metal	copper	7440-50-8	143.098	45.72	45.78	457268	457863
wire	non noble metal	aluminium	7429-90-5	0.508	0.16	0.16	1624	1624
encapsulation	inorganic material	antimonytrioxide	1309-64-4	2.012	0.64		6428	
	plastics	brominated resin	-	2.155	0.69		6887	
	organic material	carbon black	1333-86-4	2.299	0.73		7347	
	plastics	epoxy resin	-	19.398	6.20		61986	
	inorganic material	silicondioxide	60676-86-0	117.825	37.65	45.91	376510	459158
leadfinish	non noble metal	tin	7440-31-5	3.740	1.20	1.20	11951	11951
plating	non noble metal	nickel	7440-02-0	0.086	0.03		276	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.03	1	277
solder	noble metal	silver	7440-22-4	0.032	0.01		103	
	non noble metal	tin	7440-31-5	0.026	0.01		82	
	non noble metal	lead	7439-92-1	1.228	0.39	0.41	3924	4109
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	6.13	6.14	61281	61360
*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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