



Material Content Data Sheet



Sales Product Name		SGD02N120		Issued		25. September 2017			
MA#		MA000207618							
Package		PG-TO252-3-11		Weight*		364.18 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	2.248	0.62	0.62	6172	6172	
leadframe	non noble metal	iron	7439-89-6	0.234	0.06		644		
	inorganic material	phosphorus	7723-14-0	0.070	0.02		193		
	non noble metal	copper	7440-50-8	234.187	64.31	64.39	643050	643887	
wire	non noble metal	aluminium	7429-90-5	0.494	0.14	0.14	1358	1358	
encapsulation	organic material	carbon black	1333-86-4	1.219	0.33		3347		
	inorganic material	antimonytrioxide	1309-64-4	2.438	0.67		6694		
	plastics	brominated resin	-	2.438	0.67		6694		
	plastics	epoxy resin	-	24.380	6.69		66945		
	inorganic material	silicondioxide	60676-86-0	91.425	25.10	33.46	251043	334723	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.03	1.03	10270	10270	
solder	noble metal	silver	7440-22-4	0.033	0.01		90		
	non noble metal	tin	7440-31-5	0.026	0.01		72		
	non noble metal	lead	7439-92-1	1.248	0.34	0.36	3428	3590	
*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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