



Material Content Data Sheet



Sales Product Name		SPD06N80C3		Issued		27. September 2017		
MA#		MA001145776						
Package		PG-TO252-3-313		Weight*		319.97 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	4.945	1.55	1.55	15453	15453
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		460	
	inorganic material	phosphorus	7723-14-0	0.044	0.01		138	
	non noble metal	copper	7440-50-8	147.096	45.97	46.03	459720	460318
wire	non noble metal	aluminium	7429-90-5	0.537	0.17	0.17	1679	1679
encapsulation	organic material	carbon black	1333-86-4	1.389	0.43		4341	
	plastics	epoxy resin	-	24.305	7.60		75961	
	inorganic material	silicondioxide	60676-86-0	113.193	35.38	43.41	353762	434064
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11689	11689
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11	
	non noble metal	nickel	7440-02-0	1.421	0.44	0.44	4440	4451
solder	noble metal	silver	7440-22-4	0.099	0.03		308	
	non noble metal	tin	7440-31-5	0.079	0.02		247	
	non noble metal	lead	7439-92-1	3.769	1.18	1.23	11778	12333
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		60	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		18	
	non noble metal	copper	7440-50-8	19.177	5.99	6.00	59935	60013
*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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