



Material Content Data Sheet



Sales Product Name		SPD02N80C3		Issued		19. January 2018			
MA#		MA001500518							
Package		PG-TO252-3-313		Weight*		318.65 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	2.280	0.72	0.72	7154	7154	
leadframe	non noble metal	iron	7439-89-6	0.147	0.05		462		
	inorganic material	phosphorus	7723-14-0	0.044	0.01		139		
	non noble metal	copper	7440-50-8	147.096	46.15	46.21	461616	462217	
wire	non noble metal	aluminium	7429-90-5	4.807	1.51	1.51	15085	15085	
encapsulation	organic material	carbon black	1333-86-4	1.376	0.43		4317		
	plastics	epoxy resin	-	24.076	7.56		75556		
	inorganic material	silicondioxide	60676-86-0	112.126	35.19	43.18	351873	431746	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.17	1.17	11737	11737	
plating	inorganic material	phosphorus	7723-14-0	0.003	0.00		11		
	non noble metal	nickel	7440-02-0	1.421	0.45	0.45	4458	4469	
solder	noble metal	silver	7440-22-4	0.058	0.02		183		
	non noble metal	tin	7440-31-5	0.047	0.01		147		
	non noble metal	lead	7439-92-1	2.231	0.70	0.73	7001	7331	
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	6.02	6.03	60183	60261	
*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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