



Material Content Data Sheet



Sales Product Name		SPD02N50C3		Issued		25. September 2017			
MA#		MA000971214							
Package		PG-TO252-3-341		Weight*		381.02 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	1.473	0.39	0.39	3865	3865	
leadframe	non noble metal	iron	7439-89-6	0.248	0.07		652		
	inorganic material	phosphorus	7723-14-0	0.075	0.02		196		
	non noble metal	copper	7440-50-8	248.124	65.12	65.21	651201	652049	
wire	non noble metal	aluminium	7429-90-5	0.436	0.11	0.11	1146	1146	
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.745	0.46		4580		
	plastics	brominated resin	-	1.870	0.49		4907		
	organic material	carbon black	1333-86-4	1.994	0.52		5234		
	plastics	epoxy resin	-	16.827	4.42		44162		
	inorganic material	silicondioxide	60676-86-0	102.206	26.82	32.71	268241	327124	
leadfinish	non noble metal	tin	7440-31-5	3.740	0.98	0.98	9816	9816	
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1335	1335	
solder	noble metal	silver	7440-22-4	0.044	0.01		117		
	non noble metal	tin	7440-31-5	0.036	0.01		93		
	non noble metal	lead	7439-92-1	1.697	0.45	0.47	4455	4665	
*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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