



Material Content Data Sheet



Sales Product Name		SPD03N50C3		Issued		20. July 2018			
MA#		MA001364014							
Package		PG-TO252-3-341		Weight*		381.70 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	2.304	0.60	0.60	6036	6036	
leadframe	non noble metal	iron	7439-89-6	0.248	0.07		651		
	inorganic material	phosphorus	7723-14-0	0.075	0.02		195		
	non noble metal	copper	7440-50-8	248.124	65.00	65.09	650053	650899	
wire	non noble metal	aluminium	7429-90-5	0.476	0.12	0.12	1246	1246	
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.733	0.45		4541		
	plastics	brominated resin	-	1.857	0.49		4866		
	organic material	carbon black	1333-86-4	1.981	0.52		5190		
	plastics	epoxy resin	-	16.715	4.38		43793		
	inorganic material	silicondioxide	60676-86-0	101.531	26.60	32.44	265999	324389	
leadfinish	non noble metal	tin	7440-31-5	3.787	0.99	0.99	9921	9921	
plating	non noble metal	nickel	7440-02-0	0.515	0.14	0.14	1350	1350	
solder	noble metal	silver	7440-22-4	0.059	0.02		154		
	non noble metal	tin	7440-31-5	0.047	0.01		123		
	non noble metal	lead	7439-92-1	2.245	0.59	0.62	5882	6159	
*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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