

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPD08N50C3	**Issued**	18. May 2021
MA#	MA005426635		
Package	PG-TO252-3-345	**Weight***	339.38 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	4.883	1.44	1.44	14387	14387
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		170	
	non noble metal	iron	7439-89-6	0.193	0.06		568	
	non noble metal	copper	7440-50-8	192.629	56.75	56.83	567595	568333
wire	non noble metal	aluminium	7429-90-5	0.475	0.14	0.14	1399	1399
encapsulation	organic material	carbon black	1333-86-4	0.402	0.12		1185	
	plastics	epoxy resin	-	12.203	3.60		35956	
	inorganic material	silicondioxide	60676-86-0	121.490	35.80	39.52	357979	395120
leadfinish	non noble metal	tin	7440-31-5	2.562	0.75	0.75	7549	7549
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1665	1665
solder	non noble metal	tin	7440-31-5	0.078	0.02		231	
	noble metal	silver	7440-22-4	0.098	0.03		289	
	non noble metal	lead	7439-92-1	3.742	1.10	1.15	11027	11547
*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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