

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPD03N50C3	**Issued**	17. May 2021
MA#	MA005425248		
Package	PG-TO252-3-345	**Weight***	337.77 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	0.68	0.68	6821	6821
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		171	
	non noble metal	iron	7439-89-6	0.193	0.06		571	
	non noble metal	copper	7440-50-8	192.629	57.03	57.11	570305	571047
wire	non noble metal	aluminium	7429-90-5	0.476	0.14	0.14	1409	1409
encapsulation	organic material	carbon black	1333-86-4	0.410	0.12		1214	
	plastics	epoxy resin	-	12.433	3.68		36810	
	inorganic material	silicondioxide	60676-86-0	123.784	36.65	40.45	366481	404505
leadfinish	non noble metal	tin	7440-31-5	2.562	0.76	0.76	7585	7585
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1673	1673
solder	non noble metal	tin	7440-31-5	0.047	0.01		139	
	noble metal	silver	7440-22-4	0.059	0.02		174	
	non noble metal	lead	7439-92-1	2.245	0.66	0.69	6647	6960
*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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