

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPD04N50C3	**Issued**	08. April 2022
MA#	MA005427404		
Package	PG-TO252-3-345	**Weight***	339.18 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	3.265	0.96	0.96	9627	9627
leadframe	inorganic material	phosphorus	7723-14-0	0.058	0.02		171	
	non noble metal	iron	7439-89-6	0.193	0.06		569	
	non noble metal	copper	7440-50-8	192.629	56.78	56.86	567921	568661
wire	non noble metal	aluminium	7429-90-5	0.573	0.17	0.17	1689	1689
encapsulation	organic material	carbon black	1333-86-4	0.409	0.12		1206	
	plastics	epoxy resin	-	12.408	3.66		36583	
	inorganic material	silicondioxide	60676-86-0	123.538	36.42	40.20	364223	402012
leadfinish	non noble metal	tin	7440-31-5	2.562	0.76	0.76	7554	7554
plating	non noble metal	nickel	7440-02-0	0.565	0.17	0.17	1666	1666
solder	non noble metal	tin	7440-31-5	0.060	0.02		176	
	noble metal	silver	7440-22-4	0.075	0.02		220	
	non noble metal	lead	7439-92-1	2.848	0.84	0.88	8395	8791
*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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