

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPD02N80C3	**Issued**	02. April 2021
MA#	MA001619636		
Package	PG-TO252-3-341	**Weight***	388.05 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	2.280	0.59	0.59	5875	5875
leadframe	inorganic material	phosphorus	7723-14-0	0.069	0.02		177	
	non noble metal	iron	7439-89-6	0.229	0.06		591	
	non noble metal	copper	7440-50-8	228.946	59.00	59.08	589994	590762
wire	non noble metal	aluminium	7429-90-5	0.408	0.11	0.11	1051	1051
encapsulation	organic material	carbon black	1333-86-4	0.391	0.10		1008	
	plastics	epoxy resin	-	11.860	3.06		30563	
	inorganic material	silicondioxide	60676-86-0	118.079	30.43	33.59	304289	335860
leadfinish	non noble metal	tin	7440-31-5	3.740	0.96	0.96	9638	9638
plating	non noble metal	nickel	7440-02-0	0.509	0.13	0.13	1311	1311
solder	non noble metal	tin	7440-31-5	0.047	0.01		120	
	noble metal	silver	7440-22-4	0.058	0.02		150	
	non noble metal	lead	7439-92-1	2.231	0.57	0.60	5749	6019
heatspreader	inorganic material	phosphorus	7723-14-0	0.006			15	
	non noble metal	iron	7439-89-6	0.019			49	
	non noble metal	copper	7440-50-8	19.177	4.94	4.94	49420	49484
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com